1985 ANNUAL REPORT

VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY

1985 ANNUAL REPORT

CALENDAR YEAR ENDING DECEMBER 31, 1985

DEPARTMENT OF LABOR AND INDUSTRY

Carol A. Amato . . . . . Commissioner

Clayton P. Deane . . . . . Assistant Commissioner

Divisions of the Department

Division of Apprenticeship Training
Robert S. Baumgardner, Director

Division of Boiler and Pressure Vessel Safety
William E. Long, Jr., Chief

Virginia Occupational Safety and Health Program
Charles E. Harrigan, Interim Director

Division of Occupational Safety Enforcement
Elliott A. Scruggs, Director

Division of Occupational Health Enforcement
Clarence H. Wheeling, Ph.d, Director

Division of Voluntary Safety Compliance
Michael Rodgers, Director

Division of Voluntary Health Compliance
Thomas L. Rother, Director

Division of Administrative Support Services
Jay W. Withrow, Interim Director

Division of Research and Statistics
Texa B. Thurston, Director

Division of State Labor Law Administration
William K. Turpin, Director

COMMONWEALTH of VIRGINIA

Department of Labor and Industry
205 North Fourth Street
P. O. Box 12064
Richmond, Virginia 23241
(804) 786-2376

July 31, 1986

The Honorable Gerald L. Baliles
Governor of Virginia
State Capitol
Richmond, Virginia 23219

Dear Governor Baliles:

It is my pleasure to present to you the 1985 Annual Report of the Virginia Department of Labor and Industry. This report summarizes the status of the accomplishments of the Department's programs.

OCCUPATIONAL SAFETY AND HEALTH

The Commonwealth experienced economic growth again in 1985. This economic growth resulted in an increase in the state labor force. In 1985, Virginia's industry-wide injury rate continued to fall below the national injury rate even though the Commonwealth experienced more workplace fatalities during the past year than in the previous year.

The Department's Occupational Safety and Health Enforcement Divisions continued to seek effective means of combatting workplace fatalities, injuries, and illnesses. The Division of Occupational Safety Enforcement, in addition to its normal duties, conducted special emphasis programs on trenching and fireworks manufacturing. Due to the dangers inherent in trenching and excavation, the Department will continue this special emphasis program throughout 1986. In the public sector, this Division conducted a special emphasis program in sewage treatment plants and warehouses.

In 1985, the Division of Occupational Health Enforcement conducted a special emphasis program in radiator shops. This particular emphasis program is significant since exposure to lead at work can result in elevated blood levels of family members as well as of the exposed worker. Such exposure is hazardous not only to affected workers, but to young children, pregnant women, and the elderly.

Additionally the Division of Health Enforcement participated in a special emphasis program on asbestos. Under the emphasis program, inspectors could conduct an inspection wherever and whenever they became aware that an asbestos problem existed or was thought to exist. In a related initiative, a check of brake shoe shops was made for asbestos.

The Division of Health Enforcement, along with the Division of Voluntary Health Compliance and Training, was active in 1985 in preparing employers for final implementation of the Hazard Communication Standard. This Standard, the last part of which became effective May 25, 1986, is probably the most far reaching ever adopted by the Virginia Safety and Health Codes Board and administered by the Department. A Hazard Communication Training Manual was prepared for employers as well as general information pamphlets for public sector and private sector employers. This Division conducted a number of training sessions on the Hazard Communication Standard in 1985 and continues to do in 1986. The Division of Voluntary Health Compliance and Training also undertook numerous other training and consulting activities on confined spaces, repetitive motion trauma, hazard communication, noise, solvents, and hospital health hazards.

The Division of Voluntary Safety Compliance and Training conducted 455 consultative surveys in 1985. Consultants and trainers from the Division taught 79 safety courses and gave nearly 300 safety demonstrations. The year also saw an increase in usage of the Division's film library.

BOILER AND PRESSURE VESSEL SAFETY

Our Division of Boiler and Pressure Vessel Safety in September of 1985 completed an upgrading and revision of its computer system. This has increased and improved memory capacity and programs. An important result is that the Division can now provide insurance companies with preprinted inspection reports. Since insurance companies handle approximately 80 percent of the boiler and pressure vessel inspections in the Commonwealth, this is a valuable and significant increase in the efficiency of the process.

During the last session of the General Assembly the Department of Labor and Industry was successful in achieving legislative action concerning our Division of Boiler and Pressure Vessel Safety. One piece of legislation was housekeeping in nature and the other provided for much needed increases in the fees charged for certificates.

APPRENTICESHIP TRAINING

The Division of Apprenticeship Training maintained its excellent record of initiating apprenticeship programs and registering

apprentices with more than 7,100 registered apprentices. Important initiatives were undertaken in 1985 with the Department of Corrections, the Department of Corrective Education, and the Virginia Employment Commission to expand apprenticeship programs in the state's prisons and to place graduates of these programs in jobs upon their release. More than 350 prison inmates currently are enrolled in apprentice programs as a result of the cooperative effort.

LABOR LAW

Our Division of State Labor Law Administration handled 2,896 complaints from employees about nonpayment of wages in 1985. Our investigation of these complaints resulted in the collection of $567,555.34. In 1985, 191 civil penalties were assessed against employers found in violation of the Child Labor Laws. Penalties for these cases amounted to $9,240.

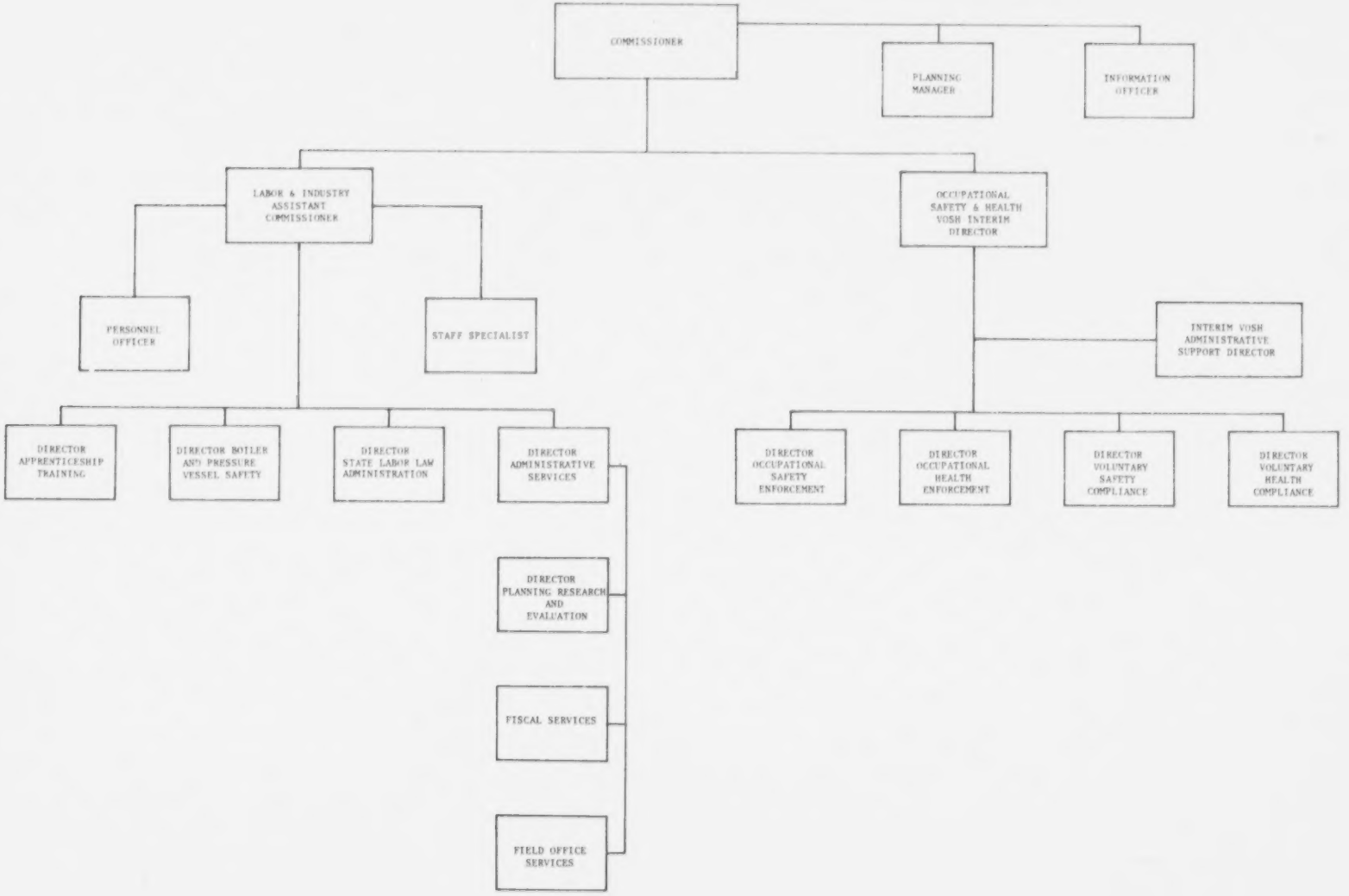
The Virginia Department of Labor and Industry continues to fulfill its mission to contribute to the quality of life enjoyed by the citizens of Virginia by improving Virginia's workplaces through informational services, training, education, and enforcement of laws related to occupational safety, health, and employment practices. We are proud of our record of public service and remain committed to further service to the citizens of the Commonwealth.

Sincerely,

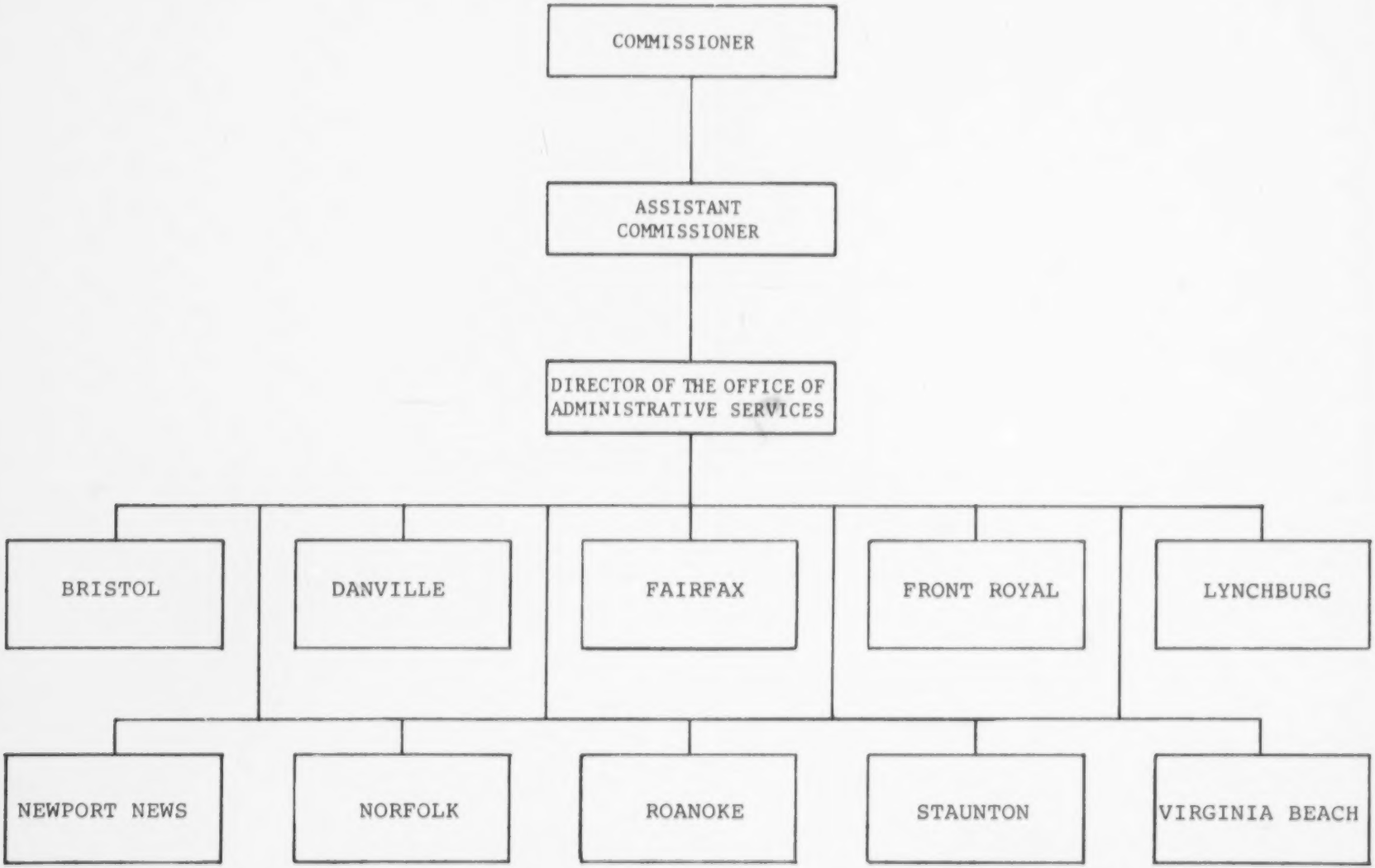
Carol Amato
Commissioner

CA/mbr

VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY



ORGANIZATION CHART - FIELD OFFICE SERVICES



Note: Each office has clerical and field personnel.
All offices will be responsible for taking and referring business calls to any representative not assigned to the office but working the area.

TABLE OF CONTENTS

9 Organization and Functions of the Department

11 Virginia Public Utility Labor Relations Act

12 Division of Boiler and Pressure Vessel Safety

14 Division of State Labor Law Administration

22 Division of Apprenticeship Training

34 Division of Occupational Health Enforcement

36 Division of Occupational Safety Enforcement

38 Division of Voluntary Health Compliance and Training

40 Division of Voluntary Safety Compliance and Training

42 Division of Research and Statistics

60 A List of Available Publications

61 Order Request Form

ORGANIZATION AND FUNCTIONS OF THE DEPARTMENT

The Department of Labor and Industry, originally known as the Bureau of Labor and Industrial Statistics, was created by Act of the Legislature in 1898. With the enactment of the Reorganization Act of 1927, it was given the status of a regular administrative agency of the State Government and its name changed to the Department of Labor and Industry. (Section 40-1, Code of Virginia, 1950, as amended, 1958, 1962, 1964, 1966, and 1970).

By the Act creating the Department of Labor and Industry, the Commissioner of Labor and Industry and the Departmental assistants are specifically charged with the following general duties:

1. To compile and publish statistics concerning labor and industry in the State and to report in writing to the Governor annually concerning the work of the Department with such other information and with such recommendations as the Commissioner may deem proper.

2. To visit and inspect all business establishments, excavations, demolitions and construction sites, as defined in Title 40.1 and 45.1 of the Code of Virginia, where goods, wares and merchandise are manufactured, purchased and sold, at wholesale or retail, and to secure the enforcement of all laws, rules and regulations relating to the inspection of aforementioned establishments and to prosecute all violations thereof.

3. The Commissioner shall have power to take and preserve testimony, examine witnesses, administer oaths and, under proper restriction, enter any public institution of the State, or any business establishment, as defined in Title 40.1 and 45.1 of the Code of Virginia and interrogate any person employed therein or connected therewith or the proper officer of a corporation, or file a written or printed list of interrogatories and require full and complete answers to the same to be returned under oath within thirty (30) days of the receipt of such list of questions.

4. The Commissioner is responsible for the formulation of policies and the general supervision of all activities of the Department. She shall have the authority to appoint such assistants as may be necessary to carry out the objects and purposes of this Department. This office, through the press, radio, conferences and other means of dissemination of information, keeps employers, workers, and the public informed of the labor laws, the general activities of the Department, and the need for legislation for improving conditions of work in industry. The Commissioner is also an ex-officio member of the Virginia Apprenticeship Council and the Safety and Health Codes Board.

5. The Commissioner is charged by statute with the duty of mediating and conciliating labor disputes affecting certain public utilities. The Commissioner also, personally, and through the Department's personnel, attempts to maintain satisfactory and peaceful relations between employers and employees; and while not charged with the responsibility by statue to mediate disputes, other than those affecting certain public utilities, the services of office have been rendered to many employers and employees, who have requested the services of the Department to assist them in reaching a mutual agreement of their differences in a labor dispute.

6. The 1962 General Assembly of Virginia provided for the establishment of a Safety Codes Board to be appointed by the Governor which was composed of five members. The 1970 General Assembly of Virginia increased the size of the Safety Codes Board by two additional members to be appointed by the Governor. In 1972, legislation enacted by the General Assembly of Virginia changed the name from Safety Codes Board to Safety and Health Codes Board and provided for the Commissioner of Health to be an ex-officio member. The Board shall study and investigate all phases of safety in business establishments applicable to Title 40.1 and Title 45.1 of the Code of Virginia.

7. The 1970 General Assembly of Virginia recodified Title 40 to Title 40.1 and Title 45 to Title 45.1.

8. The 1985 General Assembly of Virginia amended and reenacted Title 40.1-1 and 40.1-51 of the Code of Virginia and repealed Title 40.1-40 and 40.1-50 of the Code of Virginia. These amendments gave the Department of Labor and Industry the responsibility for administering and enforcing occupational health activities as well as occupational safety activities. This resulted in the transfer of the Bureau of Occupational Health from the Health Department to the Department of Labor and Industry effective July 1, 1985.

VIRGINIA PUBLIC UTILITY LABOR RELATIONS ACT

The Virginia Public Utility Labor Relations Act, as amended by the General Assembly, effective April 7, 1952, designates the Department of Labor and Industry as the State agency established to mediate and conciliate labor disputes. It requires notices of disputes between certain public utilities and their employees and imposes upon the Commissioner of Labor and Industry, or his designated agent, certain duties in connection therewith relating to labor disputes affecting the operation of certain public utilities.

The Act provides that the utility or the collective bargaining agent, recognized by the utility and its employees, shall not terminate or modify such contract until the party desiring such termination or modification serves written notice upon the Department of Labor and Industry of the proposed termination or modification at least thirty (30) days prior to the expiration date thereof or in the event such contract contains no expiration date, at least thirty (30) days prior to the date it is proposed to make such termination or modification. Where there is no collective bargaining contract in effect, the same procedure shall be followed by the utility and its employees or designated representatives or any labor organization or association attempting to organize employees in work affecting the utility.

Upon receipt of any such notices, the Commissioner of Labor and Industry is charged with the responsibility of notifying the Governor and informing him of the nature of the dispute. If the Governor deems it necessary, the Commissioner, or his designated agent, shall offer to meet and confer with the parties in interest and undertake to mediate and conciliate their differences to the extent of the mediation and conciliation by State agencies contemplated by the National Labor Relations Act or similar Federal legislation. In the event Federal legislation does not apply and if the Governor deems it advisable, it shall be the duty of the utility and its employees, or designated representative, to meet and confer with the Commissioner, or his agent, at a time and place designated by the Commissioner for mediating and conciliating their differences.

The Commissioner shall keep the Governor fully informed of negotiations between the utility and its employees and shall report as soon as practical if a strike or lockout appears to be probable in any such dispute, or if a strike or lockout begins, whether the continuation thereof is probable.

The Commissioner of Labor and Industry, or his agent, shall have the right of entry upon the property of a utility.

After all means of mediation and conciliation have been exercised under this Act and a stoppage of work is certain, the Governor, under the new Seizure Act, may, if he deems it necessary, seize and operate a public utility.

Mediation and conciliation service under the Public Utility Labor Relations Act continues even though it becomes necessary for State seizure under the Public Utility Seizure Act.

In 1985, under the amended Virginia Public Utility Labor Relations Act, Fourteen (14) notices of negotiations were received during the year, eight (8) of which were electric power utilities, four (4) were telephone and telegraph utilities, one (1) was gas distribution utility, and one (1) was transportation utilities. All fourteen (14) were settled.

DIVISION OF

BOILER AND PRESSURE VESSEL SAFETY

The Division of Boiler and Pressure Vessel Safety enforces the provisions of the Boiler and Pressure Vessel Safety Act as set forth in Chapter 3.1 of Title 40.1 of the Virginia Code. The Division's primary objective is to protect life and property through regular inspections of boiler and pressure vessel equipment to ensure compliance with state law governing its construction, installation, operation, maintenance, and repair. Frequency and types of inspections are specified by law, and records are kept on the number of certificates issued, the number of violations noted, the occurrence and nature of accidents, and other specified activities of the Division. The following table summarizes the chief activities of the Division for the previous year:

BOILER & PRESSURE VESSEL SAFETY DIVISION

1984 and 1985

ITEM	1984	1985
Total Objects Registered	58,602	60,863
Certificates Issued	22,774	20,929
Violations Reported	624*	626*
Compliances	538*	544*
Quality Control Reviews	16	14
Nuclear Surveys	3	2
Special Inspections	4	1
Occurrences	7	10
Injuries	0	3
Fatalities	0	1
Inspectors Examinations	3	1
Applicants Taking Exam	12	3
Applicants Passing Exam	4	2
Commissioned Inspectors (Total Active)	246	250

*Statistical Variation Due to Carry Over From Previous Year(s)

DIVISION OF

STATE LABOR LAW ADMINISTRATION

The Division of State Labor Law Administration enforces those Virginia laws governing the following subjects: the minimum wage, the payment of wages, garnishee rights, child labor, the right to work, wage discrimination based upon sex, magazine subscription solicitation, employment of aliens, and certain other provisions of state law governing polygraph tests, medical examinations, employees being prevented employment by others, and employees' days of rest.

The Division conducts both general inspections of business establishments and complaint investigations with the primary objective of ensuring compliance with current state law in the above areas and redressing grievances. The following charts reflect the Division's record of activity for the previous biennium:

COURT CASES PROCESSED BY CLASSIFICATION

(Civil and Criminal)

Classification	Total 1984	Total 1985
GRAND TOTAL	250	320
Civil	222	285
Criminal	28	35
Payment of Wages and Establishment of Regular Pay Periods	240	308
Civil	222	284
Criminal	18	24
Child Labor Laws of Virginia	0	1
Civil	0	1
Employment of Illegal Aliens	10	4
Criminal	10	4
Virginia Minimum Wage Act	0	7
Criminal	0	7

COURT DISPOSITIONS ON VIOLATIONS PROCESSED

(Civil and Criminal)

Title and Section Code of Virginia		Number of Court Cases 1984	Number of Court Cases 1985	Convictions 1984	Convictions 1985	Dismissals 1984	Dismissals 1985	Nonsuit* Nol-Pros** 1984	Nonsuit* Nol-Pros** 1985	Judgment Awarded 1984	Judgment Awarded 1985
	TOTAL	250	320	19	5	35	77	14	26	182	212
	Civil	222	285	0	0	29	58	11	15	182	212
	Criminal	28	35	19	5	6	19	3	11	0	0
40.1-29	Payment of Wages and Establishment of Regular Pay Periods	240	308	9	5	35	71	14	20	182	212
	Civil	222	284	0	0	29	57	11	15	182	212
	Criminal	18	24	9	5	6	14	3	5	0	0
40.1-78 et seq.	Child Labor Laws of Virginia	0	1	0	0	0	1	0	0	0	0
	Civil	0	1	0	0	0	1	0	0	0	0
40.1-11.1	Employment of Illegal Aliens	10	4	10	0	0	2	0	2	0	0
	Criminal	10	4	10	0	0	2	0	2	0	0
40.1-28.8 et seq.	Virginia Minimum Wage Act	0	7	0	0	0	3	0	4	0	0
	Criminal	0	7	0	0	0	3	0	4	0	0

* Civil

** Criminal

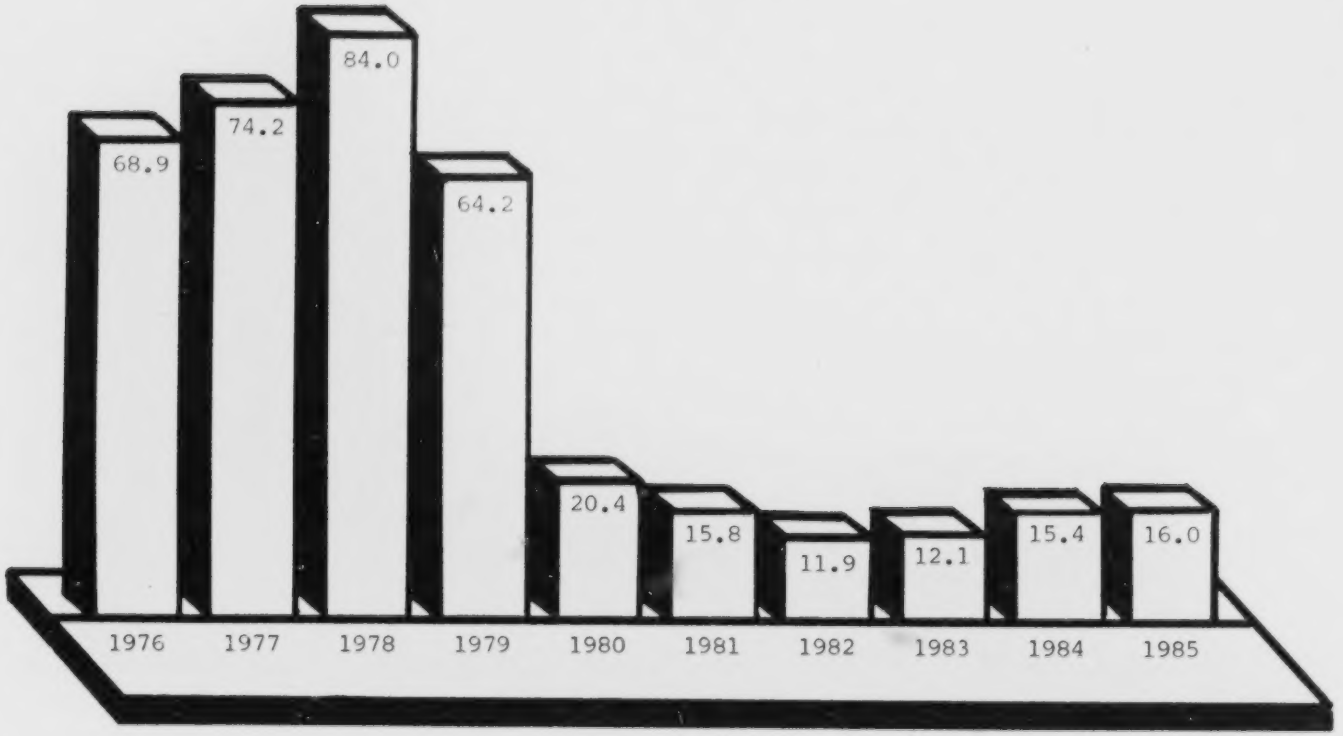
COMPLAINT INVESTIGATIONS BY CLASSIFICATION

Classification	Total 1984	Total 1985
GRAND TOTAL	2,916	3,077
Payment of Wages and Establishment of Regular Pay Periods	2,662	2,850
Virginia Minimum Wage Act	56	44
Child Labor Laws of Virginia	88	94
Employment of Illegal Aliens	88	77
Right-to-Work Law	6	3
Preventing Employment by Others of Former Employees	6	6
Unlawful to Require Payment for Medical Examination as Condition of Employment	2	0
Employers to Allow Employees at Least One Day of Rest in Each Week	1	1
Equal Pay Irrespective of Sex	0	0
Soliciting Subscription Contracts for Books, Magazines, Etc.	0	0
Maximum Portion of Disposable Earnings Subject to Garnishment	7	2
Prohibition of Use of Certain Questions on Polygraph Tests for Employment	0	0

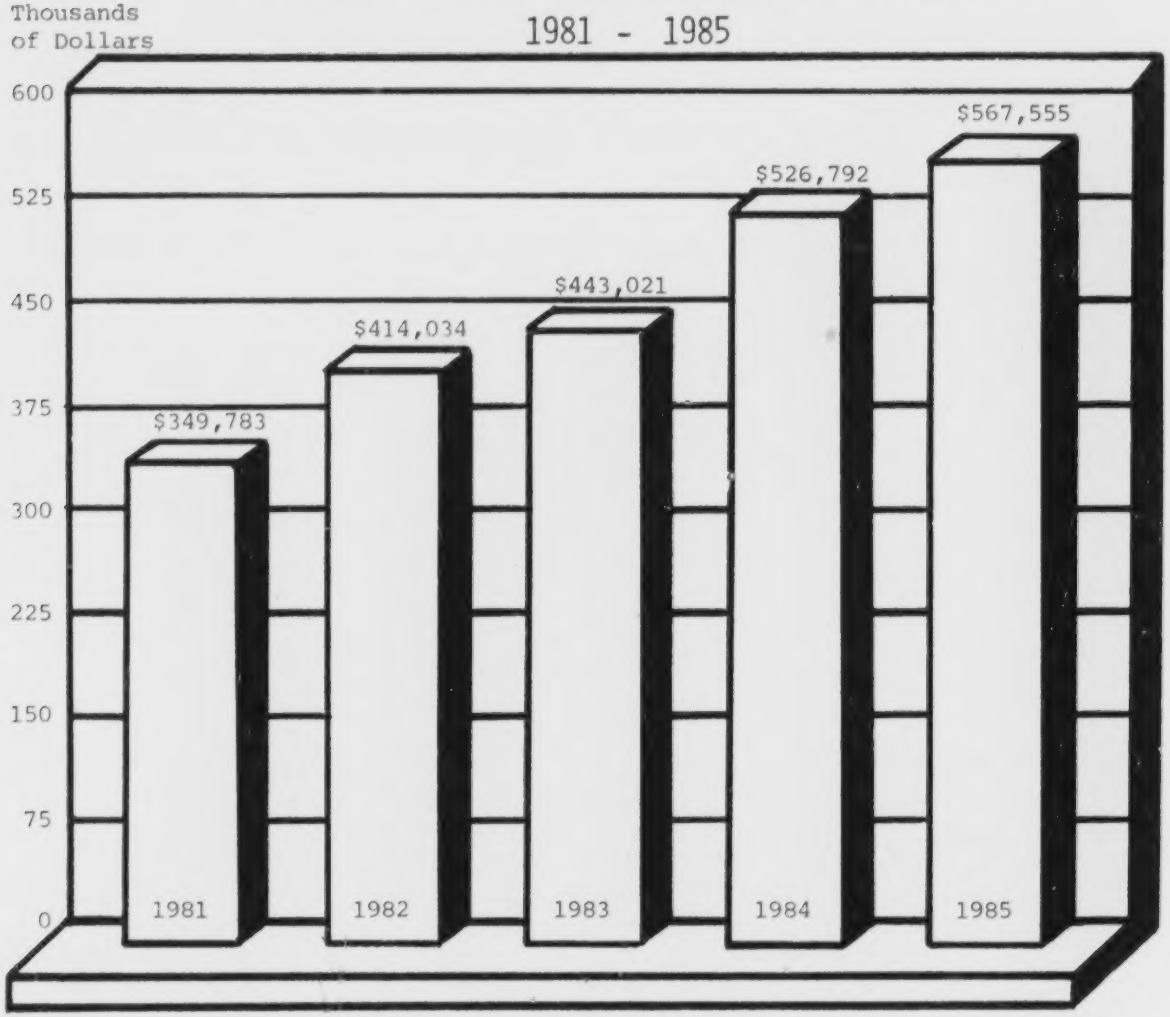
EMPLOYMENT CERTIFICATES ISSUED MINORS AGES 12 TO 18

1976 - 1985

(IN THOUSANDS)

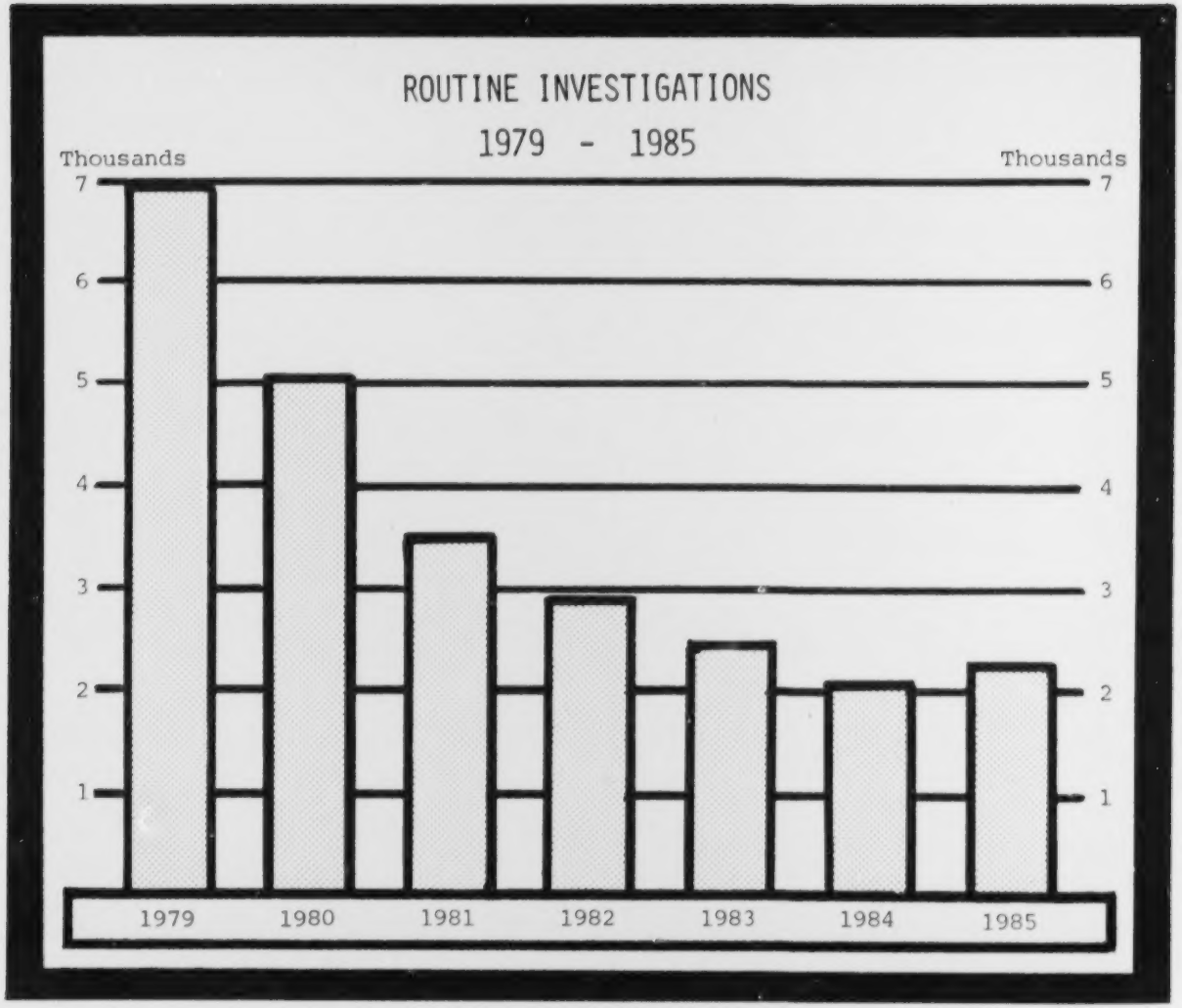


WAGES COLLECTED FOR EMPLOYEES UNDER PAYMENT OF WAGE, VIRGINIA MINIMUM WAGE AND GARNISHMENT STATUTES 1981 - 1985



ANALYSIS OF CHILD LABOR CIVIL MONEY PENALTIES

ITEM	1984	1985
Number of Children Involved	97	243
Types of Violations Cited:		
Working Without Employment Certificates	37	99
Failure to Keep Time Records	21	44
Employment of Children Under 14	8	4
Hazardous Employment	32	31
Working Illegal Hours	43	151
Number of Penalties Assessed Employers	76	191
Amount of Penalties Assessed Employers	$5,120.00	$9,240.00


ROUTINE INVESTIGATIONS
1979 - 1985
Thousands
Thousands
7
6
5
4
3
2
1
1979
1980
1981
1982
1983
1984
1985

DIVISION OF

APPRENTICESHIP TRAINING

The Division of Apprenticeship Training is responsible for maintaining a statewide system of apprentice training as prescribed by the Voluntary Apprenticeship Act of 1938. With the advice and guidance of the Virginia Apprenticeship Council, the Division is responsible for assisting employers in developing training programs, securing related classroom instruction, and recruiting both industries and qualified apprenticeship applicants for participation in the state program. The overall objective of the Division's efforts is to expand the state's skilled work force through a cooperative training program involving both industry and government, and to provide young Virginians with career opportunities in skilled trades. The following data reflect the Division's activities during the previous year:

STATISTICAL DATA ON APPRENTICESHIP PROGRAM

1940 - 1985

ITEM	Total 1940-1983	Total 1984
Firms approved to train apprentices	17,504	468
Programs revised 1/	--	592
Apprentices active at beginning of 1985	--	7,076 c/
Apprentices registered and reinstated	93,626 c/	3,865 c/
Apprentices cancelled	52,192 c/	1,800 a/
Apprentices suspended	--	17
Apprentices completed without a certificate	--	78 b/
Apprentices completed with a certificate	31,056	1,668
Apprentices active December 31, 1984	--	7,378 c/

1/ Programs changed to incorporate wage changes, outline of training schedules, etc.

a/ The number of cancellations is due largely to two factors: (1) work shortage and (2) removal of apprentices who refuse to take related instruction.

b/ These are apprentices who completed the on-the-job phase of their training but for some reason did not complete all related instruction requirements.

c/ This figure includes Newport News Shipbuilding and Dry Dock Company apprentices and apprentices in nationally registered programs.

REGISTERED APPRENTICESHIP SYSTEMS, PARTICIPATING ESTABLISHMENTS, AND APPRENTICES, BY TYPE OF SYSTEM IN VIRGINIA AS OF DECEMBER 31, 1985 1/

APPRENTICESHIP SYSTEMS AND RELATED FACTORS	Type of System					
		Group		Individual		
	All Types	Joint	Not Joint	Joint	No Union	Union Waiver
Systems, Total	2,340	33	7	54	2,223	23
Systems with no apprentices	961	4	2	22	924	9
Systems having apprentices	1,379	29	5	32	1,299	14
Apprentices, Total	7,378	735	144	226	6,182	91

1/ DEFINITIONS FOR STATISTICAL PURPOSES

The following definitions are intended for statistical purposes only to cover variations in current practices among states, and to permit uniformity in national tables. They are not intended as substitutes for any definitions already contained in the policies of state or federal authorities.

Apprenticeable occupation

Any occupation so designated by the Bureau of Apprenticeship or a State Apprenticeship Agency recognized for statistical purposes by the Bureau of Apprenticeship.

Registered apprentice

An employee who under an expressed or implied agreement for a stipulated term, receives instruction in an apprenticeable occupation, and who is employed in a registered apprenticeship system, and concerning whom a recognized apprenticeship agency has on record all of the information it requires.

Registered apprenticeship system

A system for the training of apprentices through employment, established by employer(s) and/or union(s), and in which authority has been placed for determining that an apprentice has completed his training, and regarding which a written description of the terms and conditions of employment and training of apprentices has been registered by a recognized apprenticeship agency.

Types of registered apprenticeship systems

(GJ) Group Joint - A system embracing two or more companies which is jointly established by employers and union(s), and operated by a committee equally representative of employers and union(s).
(GW) Group Waiver - A system embracing two or more companies which is jointly established by employers of union(s), but in which one of the parties has waived participation in the operation of the system.
(GN) Group Not-Joint - A system embracing two or more companies which is established and operated by employers only.
(IJ) Individual Joint - A system limited to one company which is jointly established by employer and union(s), and operated by a committee equally representative of employer and union(s).
(IW) Individual Waiver - A system limited to one company which is jointly established by employer and union(s), but in which the union has waived participation in the operation of the system.
(IN) Individual Not-Joint - A system limited to one company which is established and operated by employer only.

JOINT REGISTERED APPRENTICESHIP SYSTEMS AND REGISTERED APPRENTICES IN JOINT SYSTEMS

BY TYPE OF SYSTEM AND BARGAINING AGENCY IN VIRGINIA AS OF DECEMBER 1985

Bargaining Agency	Bargaining Agency Code	Joint Systems			Apprentices in Joint Systems		
		Total	Group	Individual	Total	Group	Individual
All A.F.L. & C.I.O. Unions	32	87	33	54	955	735	220
Asbestos Workers	05	4	3	1	1	0	1
United Automobile Workers of America	06	1	0	1	6	0	6
Bakery and Confectionary Workers	07	1	0	1	3	0	3
Boilermakers	11	1	0	1	63	0	63
Bookbinders	12	1	0	1	0	0	0
Bricklayers, Masons and Plasters	14	3	3	0	76	76	0
Bridge, Structural and Ornamental Iron	15	3	3	0	21	21	0
Carpenters and Joiners	18	4	4	0	96	96	0
International Chemicals Workers	20	2	0	2	7	0	7
Electrical Workers	26	11	7	4	327	323	4
Engineers	28	1	1	0	23	23	0
Glass Bottle Blowers Association of U.S.	35	2	1	1	8	3	5
Glass Workers	37	2	1	1	12	11	1
Painters, Decorators and Paperhangers	63	2	1	1	22	19	3
Patternmakers	65	0	0	0	0	0	0
Photo-Engravers	66	1	0	0	0	0	0
Plasterers and Cement Finishers	67	2	2	0	2	2	0
Plumbing and Pipefitting	69	5	4	1	119	117	2
Printing Pressman and Assistants	74	5	0	5	4	0	4
Sheet Metal Workers	83	3	3	0	44	44	0
International Association of Retail Clerks	86	1	0	1	3	0	3
Stereotypers and Electrotypers	93	1	0	1	0	0	0
Teamsters, Chauffeurs, Warehousemen and Helpers	99	1	0	1	1	0	0
United Textile Workers of America	101	1	0	1	0	56	
International Typographical Union	103	2	0	2	0	0	0
Combined A.F.L. Unions	299	1	0	1	7	0	7
Paperworkers of America	327	3	0	3	20	0	20
Rubber, Cork, Linoleum and Plastic Workers of America	332	1	0	1	16	0	16
United Steel Workers	334	2	0	2	2	0	2
Machinists I.A.M.	618	17	0	17	14	0	14
Union Unassigned	901	2	0	2	0	0	0
Aluminum Workers International	902	1	0	1	3	0	3

ACTIVITIES OF APPRENTICESHIP TRAINING FIELD REPRESENTATIVES

The Apprenticeship Training Field Representatives are daily making an important contribution to increasing the productivity of industry and business throughout Virginia. The Apprenticeship Training Field Representative, because of the nature of his position, background of trade and educational experience and knowledge of employer and employee relations, provides an effective counseling and advisory service to over 2,300 business and industrial establishments each year.

Many establishments, too small to employ personnel and training specialists, rely on the field representatives to advise and assist in the planning and developing of training programs that meet their respective needs. These programs are helping to increase productivity by reducing waste and inefficiency through the development of all-round skilled mechanics. While the Apprenticeship Training Field Representative has no responsibility for placement of an apprentice, he performs an important service to industry, the community and the state through his activity of advising employers on entrance requirements for apprentices, taking part in high school career programs, promoting the use of approved guidance and testing procedures offered by the Virginia Employment Service. Another contribution in the public interest is brought about by the field representative who brings labor and management together as a Joint Apprenticeship Committee, where they work harmoniously for the best interest of industry and the young apprentice who is the future mechanic.

The field representative, because of his position and experience, probably has a better opportunity to provide an effective service to industry and community through the development and maintenance of skill than any other public employee.

ACTIVITY REPORT FOR APPRENTICESHIP FIELD REPRESENTATIVES

1985 REPORT OF APPRENTICE ACTIONS BY AREAS

AREA	APPRENTICE INFORMATION						PROGRAM INFORMATION		
	New Agreements	Reinstatements	Suspensions	Cancellations	Completions	Completions Without Certificate	New Programs	Revised Programs	Cancelled Programs
Bristol	100	2	0	40	34	12	37	31	12
Front Royal[1]	47	1	1	35	81	4	15	21	18
Lynchburg	284	0	3	102	70	2	44	35	1
Newport News	163	8	0	130	48	1	40	60	3
Norfolk (I-JC/JW)[2]	403	6	2	257	81	4	29	28	15
Norfolk (II-TK)	238	6	3	78	54	1	42	53	3
Northern Virginia (I-FG)[3]	211	7	7	118	69	17	45	71	0
Northern Virginia (II-DK)	280	2	0	140	76	3	56	114	2
Richmond (I-RV)	402	3	0	255	188	2	44	60	14
Richmond (II-WP)[4]	362	3	0	151	114	1	51	34	31
Roanoke	183	3	0	90	65	10	36	60	14
Staunton	284	0	1	83	61	21	29	25	7
TOTALS BY AREAS	2,957	41	17	1,479	941	78	468	592	120
National & In-Plant Programs	866	1	0	321	727	0	0	0	0
GRAND TOTAL	3,823	42	17	1,800	1,668	78	468	592	120

[1] Paul Brogan retired May 1985. Position still vacant December 1985.
[2] John Cutchin retired June 1985. James Walker hired September 1985.
[3] Franklin Garrett retired July 1985. Position still vacant December 1985.
[4] Wier Wilkerson passed away August 1985. Position still vacant December 1985.

FIELD STAFF CONTACTS
BY AREAS AND TYPES
1985

The following is a report showing contacts made by areas and types during 1985 by the field staff of the Division of Apprenticeship Training. Development contacts are contacts for the purpose of promoting and developing new apprenticeship training programs in individual plants, joint committees, areas, trades, etc. Maintenance contacts are contacts for the purpose of servicing or maintaining Apprenticeship Training Programs already approved and registered by the Council. Other contacts are contacts with vocational education people, local school officials, employment service people, school guidance personnel and all other groups and associations related to and interested in apprenticeship training.

	Development	Maintenance	Other	Totals
Bristol	291	460	307	1,058
Front Royal[1]	49	177	24	250
Lynchburg	203	501	57	761
Newport News	192	494	163	849
Norfolk (I-JC/JW)[2]	88	195	67	350
Norfolk (II-TK)	90	538	127	755
Northern Virginia (I-FG)[3]	45	866	14	925
Northern Virginia (II-DK)	142	350	82	574
Richmond (I-RV)	42	101	55	198
Richmond (II-WP)	133	578	78	789
Roanoke[4]	85	391	125	601
Staunton	272	490	189	957
TOTALS	1,632	5,147	1,288	8,067

[1]Paul Brogan retired May 1985. Position still vacant December 1985.
[2]John Cutchin retired June 1985. James Walker hired September 1985.
[3]Franklin Garrett retired July 1985. Position still vacant December 1985.
[4]Jack Wilkerson passed away August 1985. Position still vacant December 1985.

COMPARATIVE REPORT OF CONTACTS MADE BY FIELD STAFF

BY MONTHS AND TYPES

1985

The following is a comparative report of the contacts made by the field staff of the Division of Apprenticeship Training during 1985. This report is based on the same figures used in compiling the report of contacts made by the field staff and shown by areas and types. This table shows the types of contacts by the number made during each month of the year.

	Development	Maintenance	Other	Totals
January	147	518	93	758
February	163	445	131	739
March	190	776	145	1,111
April	166	573	109	848
May	105	517	140	762
June	130	480	124	734
July	133	415	97	645
August	177	377	123	677
September	165	276	110	551
October	93	313	90	496
November	98	260	73	431
December	65	197	53	315
TOTALS	1,632	5,147	1,288	8,067

APPRENTICE ACTIVITY BY OCCUPATION GROUP

1985

Occupation	Beginning Period	New Apprentices	Reinstatements	Cancellations	Suspensions	Completions	CWC*	End of Period	Sponsors of Occup.
Drafter (Architectural)	5	1	0	0	0	2	0	4	1
Research Mechanic	2	1	0	0	0	0	0	3	1
Electrical Technician	3	6	0	0	0	0	0	9	1
Electronic Technician	13	7	0	3	0	2	0	15	12
Instrument Technician	2	0	0	0	0	0	0	2	1
Engineering Aide	4	1	0	0	0	0	0	5	4
Drafter (Civil)	0	3	0	0	0	0	0	3	4
Mechanical Engineering Technician	3	10	0	0	0	1	0	12	2
Metallurgical Technician	1	0	0	0	0	0	0	1	1
Quality Control Technician	10	28	0	9	0	6	1	22	2
Party Chief (Surveyor)	62	25	0	25	0	3	0	59	26
Instrument Surveyor Assistant	2	1	0	0	0	1	0	2	5
Materials Engineer	2	0	0	0	0	1	0	1	1
Test Technician	21	24	0	0	0	0	0	45	1
Horticulturist	1	0	0	0	0	0	0	1	1
Photographer	1	0	0	0	0	0	0	1	2
Record Engineer	0	1	0	0	0	0	0	1	1
Auto Parts Clerk	3	0	0	1	0	0	1	1	5
Optician (Dispensing)	75	78	1	21	2	25	8	102	136
Commercial Food Equipment Technician	1	1	0	0	0	0	0	2	1
Cook	131	63	0	49	0	20	0	125	35
Cook (Institutional)	15	24	0	15	0	0	0	24	5
Meat Cutter	5	17	1	5	0	2	0	16	11
Barber	50	36	0	18	0	15	2	51	121
Cosmetologist	369	642	9	213	0	161	5	441	855
Psychiatric Aide	5	18	0	1	0	0	0	22	1
Shoe Repair	0	1	0	0	0	0	0	1	1
Firefighter	0	7	0	0	0	0	0	7	1
Plater	10	3	0	0	0	0	0	13	4
Electric Instrument Mechanic (Chemical)	1	0	0	0	0	0	0	1	1
Molder	9	2	0	0	0	2	0	9	2
Baker	17	36	0	16	0	1	0	36	17
Chlorinator Operator	0	1	0	0	0	0	0	1	1
Machinist	639	213	3	76	4	178	6	589	136
Maintenance Machinist	29	6	0	7	0	15	0	13	13
Molo Maker (Die Casting & Plastic Molding)	9	0	0	0	0	6	0	3	2
Tool Maker	8	1	0	0	3	0	0	6	6
Tool & Die Maker	51	15	0	3	0	14	2	47	42
Grinder Set-up Operator	0	1	0	0	0	0	0	1	1
Blacksmith	5	2	0	0	0	5	0	2	2
Machine Operator	0	16	0	1	0	0	0	15	1
Inspector (Metal Fabricating)	19	11	0	0	0	11	0	19	1
Metal Fabricator	29	64	0	26	0	3	1	63	11
Inspector	0	3	0	0	0	0	0	3	3
Auto Mechanic	38	17	0	13	0	3	2	37	72
Construction Equipment Mechanic	19	10	0	3	0	5	0	21	15
Truck Mechanic	13	3	0	3	0	1	1	11	21
Transmission Mechanic	3	1	0	0	0	2	0	2	2
Outside Machinist	189	111	2	14	0	56	0	232	5
Motorboat Mechanic	1	0	0	1	0	0	0	0	3
Farm Equipment Mechanic	2	1	0	1	0	1	0	1	9
Diesel Mechanic	16	14	0	1	0	4	1	24	11
Fuel Injection Mechanic	1	0	0	0	0	0	0	1	2
Maintenance Machine Repairer	1	2	0	0	0	0	0	3	2
Welding Equipment Mechanic	5	3	0	0	0	0	0	8	1
Treatment Plant Mechanic	29	4	0	0	0	2	0	31	2
Gunsmith	1	0	0	0	0	0	0	1	3
Assembly Technician	0	1	0	0	0	0	0	1	1
Office Machine Servicer	1	0	0	0	0	0	0	1	3
Industrial Air Conditioning Mechanic	9	6	0	3	0	1	0	11	18
Refrigeration Mechanic	95	31	0	6	0	26	0	94	42
Maintenance Mechanic	233	100	0	31	0	32	4	266	133
Millwright	69	16	0	4	0	19	1	61	19
Industrial Sewing Machine Repairer	1	4	0	2	0	0	0	3	3
Rotogravure Press Operator	11	31	0	0	0	1	0	41	2
Web Press Operator	40	8	0	1	0	18	0	29	9
Offset Press Operator	32	27	0	25	0	3	0	31	9
Bindery Worker	74	1	0	2	0	36	0	37	4
Plate Finisher	1	0	0	0	0	0	0	1	1
Cabinet Maker	26	8	0	6	0	2	2	24	18
Loft Worker	20	12	0	2	0	6	0	24	1
Wood Patternmaker	6	0	0	1	0	0	0	5	8
Metal Patternmaker	9	2	0	0	0	2	0	9	4
Engineering Technician (Aerospace Model Development)	0	4	0	0	0	0	0	4	1
Jeweler	4	0	0	0	0	2	0	2	3
Locksmith	4	2	0	1	0	1	0	4	5
Electro-Mechanical Technician	7	0	0	3	0	1	0	3	3
Instrument Mechanic	6	51	0	0	0	13	0	44	7

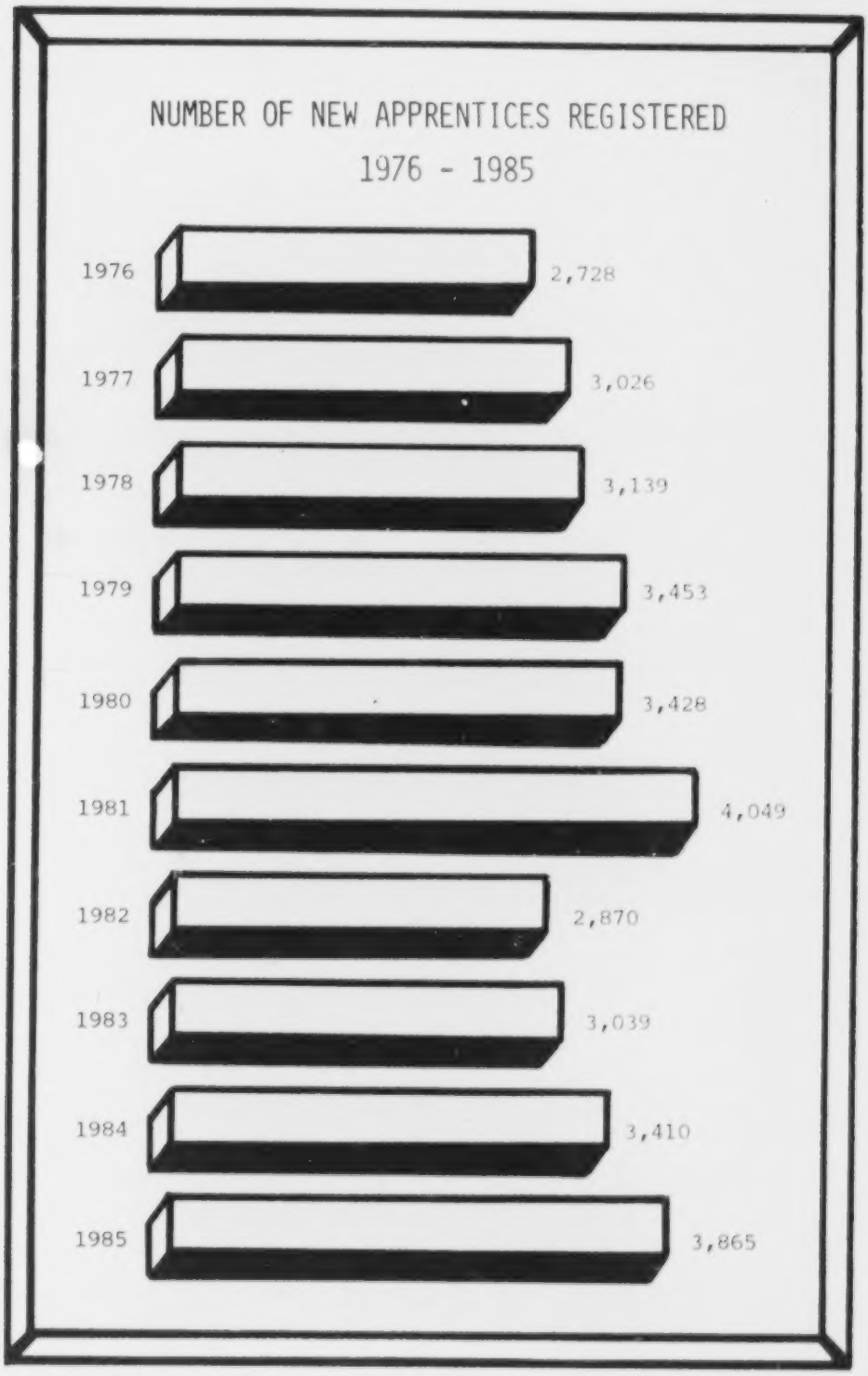
*Completed Without Certificate

APPRENTICE ACTIVITY BY OCCUPATION GROUP

1985

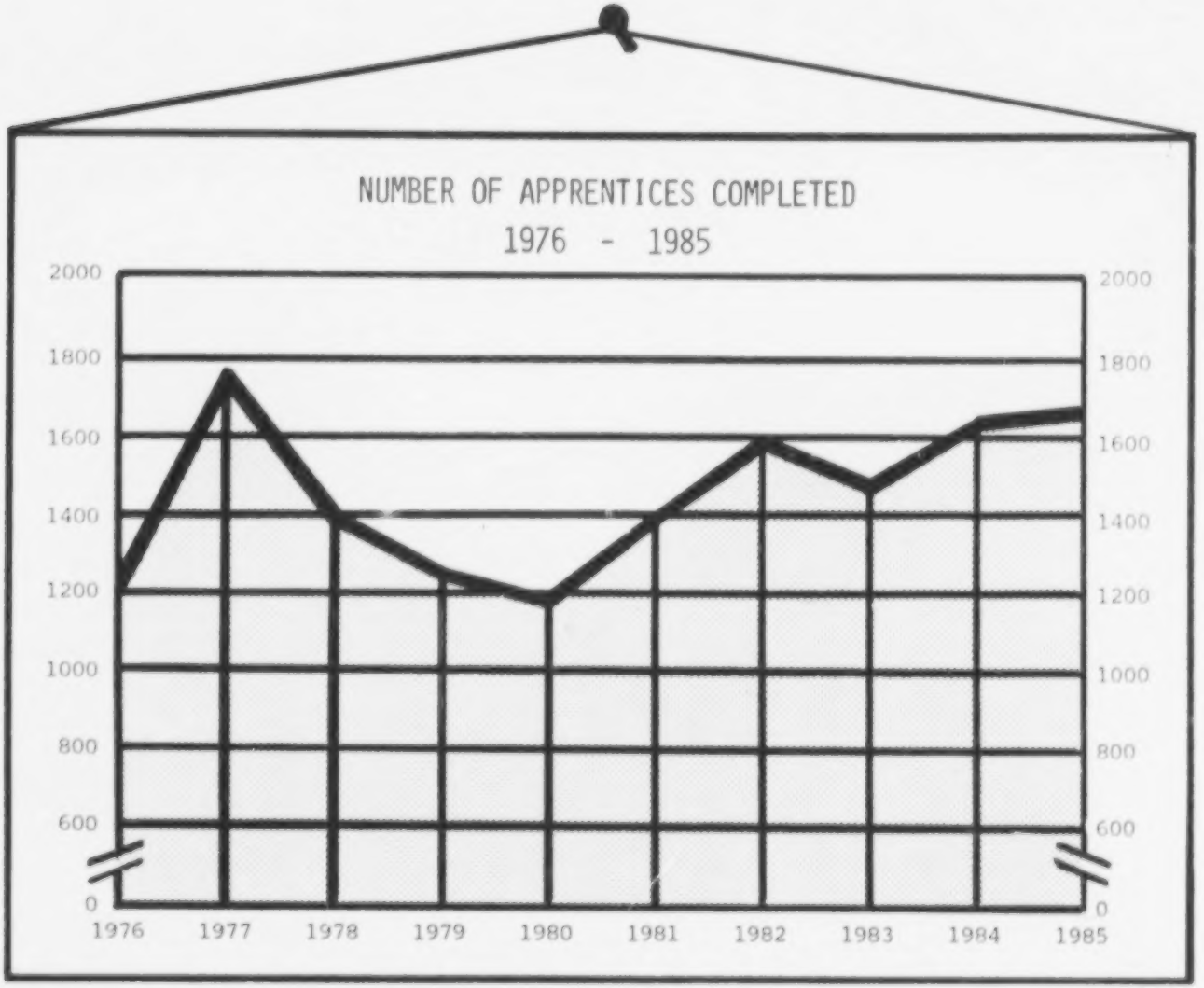
Occupation	Beginning Period	New Apprentices	Reinstatements	Cancellations	Suspensions	Completions	CWC*	End of Period	Sponsors of Occup.
Dental Lab Technician	5	0	0	0	0	0	0	5	5
Prosthetics Technician	2	0	0	0	0	0	0	2	1
Optical Finishing Technician	1	0	0	0	0	1	0	0	1
Watch Repairer	0	1	0	0	0	0	0	1	1
Optical Lab Technician	0	1	0	0	0	0	0	1	2
Biomedical Equipment Technician	3	1	0	3	0	0	0	1	1
Television & Radio Repairer	6	1	0	0	0	0	0	7	9
Electronic Motor Repairer	1	3	0	0	0	0	1	3	7
Electrical Appliance Repairer	3	6	0	0	0	0	0	9	4
Piano Technician	1	0	0	0	0	0	0	1	1
Automobile Upholsterer	0	17	0	3	0	0	0	14	1
Furniture Upholsterer	3	11	0	2	0	1	0	11	3
Patternmaker (Textile)	0	2	0	0	0	0	0	2	1
Sail Maker	21	1	0	0	0	3	0	19	1
Shop Tailor	0	26	0	30	0	0	0	23	1
Shoemaker	0	6	0	0	0	0	0	6	1
Structural Steel Worker	19	31	0	4	0	6	0	40	9
Sheetmetal Worker	342	113	7	79	0	72	1	310	102
Boilermaker	79	41	0	24	0	19	0	77	3
Boilerhouse Mechanic	15	2	0	0	0	6	0	11	2
Rigger	124	22	0	23	0	46	0	77	4
Motor Dynamometer Tester	4	3	0	1	0	0	0	6	1
Electro-Mechanic Assembler	4	0	0	3	0	0	0	1	1
Experimental Aircraft Assembly Mechanic	7	1	0	3	0	0	0	5	1
Shipfitter	220	80	0	28	0	70	0	202	4
Truck Body Repairer	1	0	0	0	0	0	0	1	3
Auto Body Repairer	2	20	0	4	0	0	1	17	16
Layout Worker	0	2	0	0	0	0	0	2	2
Fabricator - Assembler (Metal)	7	2	0	5	0	0	0	4	3
Welder	212	78	0	45	0	69	1	175	29
Line Erector (Power & Light)	3	0	0	1	0	0	0	2	5
Burglar Alarm Servicer	3	0	0	0	0	0	0	3	2
Electrician	1020	645	7	362	1	183	10	1116	305
Street Light Servicer	0	1	0	0	0	0	0	1	1
Ship Electrician	289	139	1	57	0	96	0	276	4
Electric Appliance Servicer	1	0	0	0	0	0	0	1	5
Electronics Mechanic	144	56	0	43	0	55	0	102	7
Maintenance Mechanic	107	45	1	15	0	23	4	106	77
Sound Technician	1	3	0	0	0	1	0	3	1
Cable Splicer	14	4	0	0	0	7	0	11	1
Painter	52	27	0	25	0	2	5	47	21
Painter (Ship)	61	26	0	12	0	10	0	65	4
Lather	4	8	0	4	0	2	0	6	5
Plasterer	12	3	0	2	0	0	0	13	7
Drywall Applicator	12	12	0	4	0	0	0	20	1
Cement Mason	1	1	0	1	0	0	0	1	5
Septic Tank Installer	1	0	0	0	0	0	0	1	1
Operating Engineer	16	11	1	1	0	2	0	25	8
Maintenance Carpenter	2	4	0	2	0	0	0	4	11
Ship Carpenter	10	1	0	0	0	4	0	7	2
Carpenter	286	136	1	104	3	48	4	264	92
Carpenter (Rough)	3	0	0	0	0	1	0	2	1
Joiner (Ship)	38	8	0	1	0	7	0	38	3
Shipwright	29	7	0	14	0	11	0	11	2
Bricklayer	89	64	1	28	2	13	0	111	29
Tile Setter	8	3	0	3	0	0	0	8	2
Sewer Systems Maintenance Mechanic	8	2	0	0	0	2	0	8	1
Pipefitter (Ship)	351	87	1	15	0	75	0	349	4
Oil Burner Servicer & Installer	6	1	0	3	0	1	0	2	3
Pipefitter	178	54	1	27	0	38	0	168	47
Plumber	295	139	1	76	1	29	4	325	151
Insulation Worker	117	60	3	77	0	21	1	81	14
Pipecoverer	52	8	0	17	0	9	0	34	2
Glazier	13	2	0	2	0	0	0	13	2
Glazier(Auto)	2	0	0	0	0	0	0	2	1
Concrete Wall Technician	6	0	0	0	0	0	6	0	1
Asbestos Worker	15	7	0	3	0	3	0	16	1
Maintenance Repairer (Factory or Mill)	6	0	0	3	0	0	0	3	3
Maintenance Repairer (Building)	48	55	0	40	0	3	0	60	33
Boiler Operator	2	4	0	3	0	0	0	3	2
Stationary Engineer	7	1	0	2	1	0	0	5	7
Water Treatment Plant Operator	4	4	0	1	0	0	1	6	7
Wastewater Treatment Plant Operator	69	52	1	7	0	10	1	104	12
Clarifying Plant Operator	0	2	0	0	0	0	0	2	1
Etcher (Photoengraving)	6	6	0	0	0	0	0	12	2
Photoengraver	0	6	0	0	0	0	0	6	4
Lithographic Plate Maker	0	1	0	0	0	0	0	1	1
Lithographer	2	0	0	0	0	0	0	2	4
Transferrer	7	7	0	0	0	7	0	7	3
Photographer (Lithographic)	9	0	0	1	0	0	0	8	2
Compositor	1	0	0	0	0	0	0	1	8
Photographic Supervisor	1	0	0	0	0	0	1	0	1
Engraver (Machine)	1	5	0	0	0	0	0	6	1
Graphic Arts Technician	0	6	0	0	0	0	0	6	1
Stripper	5	0	0	0	0	1	0	4	4
Total	7,076	3,823	42	1,800	17	1,668	78	7,378	3,170

*Completed Without Certificate


NUMBER OF NEW APPRENTICES REGISTERED
1976 - 1985
1976
2,728
1977
3,026
1978
3,139
1979
3,453
1980
3,428
1981
4,049
1982
2,870
1983
3,039
1984
3,410
1985
3,865

INDUSTRIES WITH APPRENTICESHIP PROGRAMS
GROUPED BY THE NUMBER OF
EMPLOYEES EMPLOYED
1985

Number of Systems	Number of Employees in Firm
1,271	1 to 9
436	10 to 24
215	25 to 49
135	50 to 99
91	100 to 199
151	200 to 999
32	1,000 to 4,999
9	5,000 or more
0	N/A
2,340	TOTAL SYSTEMS


NUMBER OF APPRENTICES COMPLETED
1976 - 1985
2000
1800
1600
1400
1200
1000
800
600
0
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

DIVISION OF

OCCUPATIONAL HEALTH ENFORCEMENT

The mission of the Division of Occupational Health is to assure a safe and healthful working environment for employees in Virginia workplaces. To accomplish this task, the Division enforces the State laws that address the safety and health of workers employed in construction and general industry, both in the public and private sectors, as authorized by the "Occupational Safety and Health Act of 1970" (PL 91-596).

Industrial Hygienists conduct workplace inspections to determine compliance with the health portion of the standards. If applicable, citations are issued with appropriate monetary penalties and abatement requirements. The workplace inspections are generated through a general schedule scheme, employee complaint, accident or fatality, or follow-up requirement. The Division's overall goal is to eliminate workplace hazards through inspection evaluations (enforcement citations) and control (abatement).

The following data reflect the Division's activities during the previous year:

DIVISION OF

OCCUPATIONAL HEALTH ENFORCEMENT

INSPECTIONS	1985	
Planned	103	
Follow-up	31	
Complaints	136	
Referrals	41	
Accident/Fatality	7	
Total	318	
Employees Affected by Completed Inspection	13,780	
Health Violations	184	with 332 subitems
Inspections with Citations	112	
Informal Conferences	18	

DIVISION OF OCCUPATIONAL SAFETY

The Division of Occupational Safety enforces the state laws that address the safety and health of workers employed in construction and general industry, both in the public and private sectors. The Division's jurisdiction covers all commercial and industrial establishments, and all construction, excavation, and demolition work within the Commonwealth.

The primary responsibility of the Division is to make scheduled inspections of the state's workplaces to ensure compliance with state safety standards and regulations. In addition, the Division responds to complaints from employees and investigates accidents and fatalities. The Division's overall objective is to eliminate workplace hazards through inspection, abatement, and enforcement.

The following data reflect the Division's activities during the previous year:

ANALYSIS OF ACTIVITIES OF THE

OCCUPATIONAL SAFETY DIVISION

COMPARISON: 1984 and 1985

ITEM	1984	1985
Safety Inspections:		
Records Only	155	95
Planned	1,538	1,273
Follow Up	29	13
Complaints	229	173
Referrals	77	172
Accidents	84	76
Unprogrammed Related	62	186
Programmed Related	2	13
Monitoring	2	5
Attempted inspections (No inspection conducted)		161
Total Inspections	2,178	2,167
Safety Violations - Total	3,876	3,595
Variance	0	0
Fatality Investigations	46	64
Safety Violations Noted	3,876	3,595
Court Cases Completed	14	8
Informal Conferences Held	120	127
Speeches and Seminars	7	8
Safety Schools for Representatives	17	15
State Safety Conference	1	1
Explosive Permits Issued:		
Storage of Explosives	928	849
Small Users of Explosives	381	361
Special Use of Explosives	3	2
Sale of Explosives	46	44
Manufacturer of Explosives	6	6
Revenue Collected	$13,905	$13,115
Regulatory Inspections Dealing with Explosives	6	7

DIVISION OF

VOLUNTARY HEALTH COMPLIANCE

The Division of Voluntary Health Compliance and Training offers private and public sector employers a variety of free, professional consultative and training services as outlined in Sections 7(c)(1) and 18(b) of Public Law 91-596 (The Occupational Safety and Health Act of 1970). These services help employers reduce or eliminate occupational health hazard such as: asbestos, lead, noise, solvent exposures, repetitive motion and dermatitis, found in the workplace while also reducing the risk of citations and penalties from the Enforcement Division.

The primary mission of this division is to assist employers in averting acute and chronic occupational health injuries and illnesses at Virginia workplaces through a program of free on-site industrial hygiene and occupational health nursing consultations with employers. At the completion of each on-site consultation visit, employers receive a professionally prepared technical report containing the hazards identified and recommendations for their abatement. The following data reflects the activities of this Division during the previous year:

ANALYSIS OF ACTIVITIES OF THE
VOLUNTARY HEALTH COMPLIANCE AND TRAINING DIVISION

ITEM	1985
Consultative Surveys	207
Consultative Assistance	498
Health Hazards Noted	212
Serious Hazards Abated	47
Health Workshops/Seminars	59

DIVISION OF

VOLUNTARY SAFETY COMPLIANCE AND TRAINING

The Division of Voluntary Safety Compliance and Training is charged with performing training and safety consultation services as outlined in Sections 7(c) (1) and 18 (b) of Public law 91-596, the Occupational Safety and Health Act of 1970.

The primary mission of the Division is to avert accidents and injuries at Virginia workplaces through a program of free on-site consultations with employers who wish to comply voluntarily with Virginia's occupational safety standards, and through free safety training courses for employees. The following data reflect the Division's activities during the previous year:

ANALYSIS OF ACTIVITIES OF THE

VOLUNTARY SAFETY COMPLIANCE AND TRAINING DIVISION

ITEM	TOTAL 1984	TOTAL 1985
Consultative Surveys	552	455
Consultative Assistance	364	360
Safety Hazards Noted	3,097	2,594
Serious Hazards Abated	921	901
Conferences (other than during Consultative Surveys)	212	131
Safety Courses (Construction and Industrial)	63	79
Demonstrations/Safety Talks	216	295
Loan of 185 Safety Films by the Richmond Office	1,531	1,657

DIVISION OF

RESEARCH AND STATISTICS

The Division of Research and Statistics is responsible for performing the research and statistical functions outlined in Title 40 of the Virginia Code and, pursuant to a 1970 agreement with the U. S. Department of Labor, Public Law 91-596. The primary mission of the Division is to serve in a support role to the Department as a whole, collecting, analyzing, and compiling data on incidences and causes of occupational injuries, illnesses, and fatalities, and other information necessary for the administration of the state's occupational safety and health program. The Division also compiles data on food prices and assists the Department's other divisions in analyzing and compiling information in their specialized areas. The following tables summarize the Division's statistical findings during the previous year:

Occupational Injury and Illness Incidence Rates, By Industry Group, Virginia, 1983 and 1984 1/

Incidence Rates Per 100 Full-Time Workers 2/

Industry Group	Annual Average Employment 3/ (in thousands)		Total Cases 4/		Lost Workday Cases		Nonfatal Cases Without Lost 5/ Workdays		Lost Workdays	
	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Total, 6/	2038.8	2163.0	7.2	7.6	3.3	3.5	3.8	4.1	51.8	53.3
Private Sector, 6/	1698.2	1826.2	7.0	7.6	3.2	3.5	3.8	4.1	51.2	53.0
Agriculture, Forestry and Fishing 7/	13.3	14.9	6.9	8.9	5.7	4.2	4.2	4.6	91.5	59.0
Goods Producing, Nonagricultural Private Sector	530.5	570.0	10.2	11.1	4.4	4.9	5.9	6.1	74.4	80.5
Mining, 8/	17.5	18.1	7.9	7.6	6.5	5.6	1.3	1.8	209.9	160.5
Construction	112.7	131.8	14.5	16.2	6.6	7.4	7.9	8.7	116.6	141.9
Manufacturing	400.3	420.1	9.3	9.4	3.4	4.1	5.4	5.5	59.6	67.4
Durable Goods	181.6	194.8	11.4	11.6	4.4	4.8	7.0	6.7	87.5	72.6
Nondurable Goods	218.7	225.3	7.4	7.9	2.3	3.5	4.1	4.8	50.4	52.9
Services-Producing, Nonagricultural Private Sector	1154.4	1241.3	5.2	5.6	2.5	2.6	2.7	3.0	38.2	38.1
Transportation and Public Utilities, 9/	119.2	127.6	7.1	7.6	4.1	4.1	3.0	3.5	81.4	89.3
Wholesale and Retail Trade	475.6	513.0	6.8	7.0	3.0	3.1	3.8	3.9	41.1	40.1
Wholesale Trade	109.8	115.9	6.2	6.9	3.1	3.7	3.1	3.2	41.8	49.4
Retail Trade	366.8	397.1	7.0	7.0	2.9	2.9	4.1	4.1	41.1	36.6
Finance, Insurance, and Real Estate	109.7	117.2	2.3	2.1	1.5	0.8	1.2	1.3	17.8	13.1
Services	449.9	483.5	3.8	4.4	1.9	2.1	1.9	2.3	25.0	27.4
Public Sector: State and Local Government	340.6	336.8	8.2	8.5	4.1	4.4	4.1	4.1	55.2	54.9

1/ To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent small nonfarm employers in low-risk industries who were not surveyed.
2/ The incidence rates represent the number of cases or lost workdays per 100 full-time workers, and were calculated as: (N/EH) x 200,000, where N represents the number of cases or lost workdays, EH represents the total hours worked by all employees during the calendar year, and 200,000 is the base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).
3/ Annual average employment for nonfarm industries is derived primarily from the Employment and Earnings Survey conducted by the Virginia Employment Commission in cooperation with the Federal Bureau of Labor Statistics. Employment series have been adjusted to first quarter 1984 benchmark levels. The employment for the services division has been adjusted to exclude the employment for the nonfarm portion of agricultural services, included in the Agriculture group.
4/ Includes fatalities. Because of rounding, the difference between the total and the sum of the rates for lost workday cases and nonfatal cases without lost workdays does not reflect the fatality rate.
5/ Excludes minor injuries that involve only first aid treatment.
6/ Excludes self-employed, domestics, employees on farms averaging fewer than 11 employees, and Federal government employees.
7/ Excludes farms averaging fewer than 11 employees.
8/ Mining data conforming to OSHA definitions were supplied by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded.
9/ Data for Railroad Transportation (SIC 40) were provided by the Federal Railroad Administration, U.S. Department of Transportation.

SOURCE: The Virginia Department of Labor and Industry in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics.

Estimated Number of Occupational Injuries and Illnesses, Lost Workdays, and Average Lost Workdays Per Lost Workday Case

By Industry Group, Virginia, 1983 and 1984 1/

Industry Group	Total Cases 2/ (in Thousands)		Lost Workday Cases (in Thousands)		Nonfatal Cases Without Lost Workdays 3/ (in thousands)		Lost Workdays (in thousands)		Average Lost Workdays Per Lost Workday Case	
	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Total, 4/, 5/	123.8	139.5	57.0	64.9	66.3	74.5	892.8	973.5	16	15
Private Sector, 4/	102.0	117.4	46.7	53.5	55.2	63.8	745.6	810.9	16	15
Agriculture, Forestry, and Fishing 6/	1.1	1.1	0.6	0.5	0.5	0.6	10.0	7.2	16	14
Goods-Producing, Nonagricultural Private Sector	51.4	59.7	22.5	26.5	29.1	33.2	376.3	438.2	17	17
Mining, 7/	1.2	1.2	1.0	1.0	0.2	0.2	31.9	27.6	32	29
Construction	14.4	19.8	6.6	8.7	7.8	10.2	115.1	154.9	18	18
Manufacturing	36.2	39.5	14.9	16.8	21.3	22.7	229.7	255.7	15	15
Durable goods	20.8	22.8	8.1	9.5	12.7	13.3	122.9	141.6	15	15
Nondurable goods	15.4	16.7	6.9	7.3	8.5	9.4	106.1	112.1	15	15
Services-Producing, Nonagricultural Private Sector	49.3	56.6	23.6	26.5	25.5	30.0	359.3	365.5	15	14
Transportation and Public Utilities, 7/	7.9	9.1	4.5	4.9	3.5	4.1	92.2	104.2	20	21
Wholesale and Retail Trade	25.7	28.1	11.2	12.6	14.4	15.5	162.0	160.4	14	13
Wholesale Trade	6.2	7.1	3.1	3.8	3.1	3.3	43.2	50.5	14	13
Retail Trade	19.4	21.0	8.1	8.8	11.3	12.2	119.8	110.1	15	13
Finance, Insurance, and Real Estate	2.2	2.3	1.1	0.9	1.1	1.4	17.7	14.8	16	17
Services	13.3	17.1	6.7	8.1	6.6	9.0	87.4	105.4	13	13
Public Sector: State and Local Government, 5/	21.9	22.1	10.8	11.4	11.0	10.7	147.2	142.6	14	13

1/ To maintain comparability with the rest of the series a statistical method was used for generating the estimates to represent small nonfarm employers in low-risk industries who were not surveyed.
2/ Includes fatalities. Because of rounding, the sum of estimated lost workday cases and cases without lost workdays may not equal total cases. Also, the difference between the total and the sum of the components shown may not reflect the fatality estimates.
3/ Excludes minor injuries that involve only first aid treatment even though the treatment may have been rendered by a physician or other professional practitioner.
4/ Excludes the self-employed, domestics, and employees on farms averaging fewer than 11 employees.
5/ Excludes Federal government. Data for Federal agencies are collected under the Federal Agency Reporting System by the Occupational Safety and Health Administration.
6/ Excludes farms averaging fewer than 11 employees.
7/ Data conforming to OSHA definitions for mining and railroads (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation, respectively. Independent mining contractors are excluded.

OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, BY INDUSTRY, VIRGINIA, 1983 AND 1984 1/

Industry 2/	SIC code 3/	1984 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1983	1984	1983	1984	1983	1984	1983	1984
Total 7/, 9/		2,163.0	7.2	7.6	3.3	3.5	3.8	4.1	51.8	53.3
Private sector 7/		1,826.2	7.0	7.6	3.2	3.5	3.8	4.1	51.2	53.0
Agriculture, forestry, and fishing 7/		14.9	9.9	8.9	5.7	4.2	4.2	4.6	91.5	59.0
Agricultural production	01-02	n/a	10.1	10.0	5.7	4.2	4.4	5.8	88.7	66.0
Agricultural services	07	n/a	9.9	8.2	5.7	4.2	4.2	4.0	93.2	56.4
Goods-producing, nonagricultural private sector		570.0	10.2	11.1	4.4	4.9	5.8	6.1	74.4	80.5
Mining 8/		18.1	7.9	7.0	6.5	5.6	1.3	1.4	208.9	160.5
Bituminous coal and lignite mining 8/	12	15.5	9.0	8.1	7.6	6.6	1.3	1.5	248.9	196.2
Nonmetallic minerals, except fuels 8/	14	n/a	4.1	3.6	2.9	2.5	1.2	1.1	86.4	51.5
Construction		131.8	14.5	16.2	6.6	7.4	7.9	8.7	116.0	131.9
General building contractors	15	36.8	14.2	14.9	6.2	6.0	8.0	8.9	110.3	116.8
Residential building construction	152	n/a	10.4	11.6	5.2	5.7	5.2	5.9	76.5	109.9
Nonresidential building construction	154	n/a	19.0	18.5	7.7	6.5	11.3	12.0	139.3	121.9
Heavy construction contractors	16	21.8	13.0	15.9	5.9	8.0	7.1	7.9	131.5	141.2
Highway and street construction	161	n/a	11.8	16.7	6.0	7.5	5.7	9.0	94.0	119.8
Heavy construction, except highway	162	n/a	13.6	15.7	5.9	8.3	7.7	7.3	141.1	150.8
Special trade contractors	17	73.2	15.1	16.7	7.0	7.8	8.1	9.0	112.7	135.3
Plumbing, heating, air conditioning	171	n/a	17.7	18.2	7.0	6.7	10.7	11.5	107.1	122.1
Electrical work	173	n/a	15.0	14.8	5.9	6.3	9.1	8.5	89.1	75.5
Masonry, stonework, and plastering	174	n/a	16.3	20.5	8.2	11.8	8.1	8.7	127.9	187.9
Carpentering and flooring	175	n/a	10.5	13.4	5.8	7.2	4.7	6.2	101.4	133.1
Roofing and sheet metal work	176	n/a	19.1	21.9	10.5	11.1	8.6	10.8	145.7	207.4
Misc. special trade contractors	179	n/a	14.3	17.8	7.0	7.2	7.2	10.6	128.4	131.3
Manufacturing		420.1	9.3	9.6	3.8	4.1	5.4	5.5	58.6	62.4
Food and kindred products	20	38.8	12.6	13.2	6.2	6.1	6.4	7.1	99.4	94.6
Meat products	201	12.6	16.5	15.9	8.4	7.5	8.1	8.3	126.4	120.0
Bakery products	205	4.9	9.8	10.9	4.7	4.9	5.0	6.0	100.3	93.9
Beverages	208	5.4	14.6	18.0	8.0	8.6	6.6	9.4	100.8	91.1
Misc. foods and kindred products	209	n/a	8.8	8.7	3.3	3.7	5.5	5.0	43.7	49.7
Textile mill products	22	43.4	7.3	7.4	2.8	3.0	4.5	4.4	39.5	41.8
Weaving mills, cotton	221	n/a	3.6	2.9	1.2	1.0	2.4	1.9	30.1	14.5
Weaving mills, synthetics	222	n/a	5.7	7.7	1.6	1.9	4.1	5.8	27.5	28.6
Knitting mills	225	17.6	11.0	10.0	4.5	4.9	6.5	5.1	47.9	49.3
Apparel and other textile products	23	32.6	6.5	6.8	2.5	2.6	4.0	4.2	36.9	37.1
Men's and boys' furnishings	232	n/a	9.2	8.5	3.9	3.8	5.3	4.7	61.9	61.2
Women's and misses' outerwear	233	n/a	5.4	6.2	2.2	2.8	3.2	3.4	25.1	38.4
Children's outerwear	236	n/a	5.9	6.5	1.7	1.4	4.2	5.1	31.2	22.2
Lumber and wood products	24	22.8	15.5	15.6	7.3	7.9	8.1	7.6	104.7	115.1
Sawmills and planing mills	242	n/a	18.2	19.8	8.3	9.0	9.9	10.8	131.5	143.1
Millwork, plywood, and structural members	243	6.2	14.2	13.6	7.3	8.2	6.9	5.3	86.4	118.5
Furniture and fixtures	25	23.7	8.4	9.0	2.9	2.9	5.5	6.1	41.3	36.1
Household furniture	251	n/a	8.3	8.8	3.0	2.9	5.3	5.9	42.1	36.5
Paper and allied products	26	15.5	7.5	8.9	3.2	4.0	4.3	4.8	60.8	69.5
Paperboard mills	265	n/a	5.1	5.2	2.2	2.4	2.9	2.7	50.8	53.4
Paperboard containers and boxes	265	3.8	11.4	8.4	5.9	4.4	5.5	4.0	85.6	70.4
Printing and publishing	27	27.8	6.9	8.3	2.8	3.3	4.1	4.9	42.9	38.5
Newspapers	271	n/a	8.2	10.2	3.8	4.2	4.4	6.0	58.0	36.9
Commercial printing	275	10.9	7.3	7.5	2.8	2.9	4.5	4.6	38.2	27.6
Chemicals and allied products	28	32.7	2.5	2.5	.8	1.0	1.7	1.5	10.9	20.4
Plastics materials and synthetics	282	18.8	1.8	1.6	.6	.5	1.2	1.1	9.8	15.5
Miscellaneous chemical products	289	n/a	2.1	1.8	.5	.6	1.6	1.2	3.7	14.1
Rubber and miscellaneous plastics products	30	n/a	10.5	10.7	5.5	4.8	4.9	5.9	84.7	68.0
Miscellaneous plastics products	307	8.7	11.6	11.8	5.3	4.7	6.3	7.1	62.1	64.1
Stone, clay, and glass products	32	13.5	16.0	16.5	7.8	8.2	8.2	8.3	103.1	120.1
Concrete, gypsum, and plaster products	327	6.1	15.2	13.5	8.4	6.9	6.8	6.5	109.1	105.5
Primary metal industries	33	10.5	9.9	10.4	4.6	5.3	5.2	5.1	77.1	91.3
Nonferrous rolling and drawing	335	n/a	4.5	6.1	2.9	4.4	1.6	1.7	61.1	62.8
Fabricated metal products	34	18.6	14.6	14.4	5.7	6.1	8.9	8.3	97.7	93.2
Fabricated structural metal products	344	n/a	13.3	13.6	5.4	6.3	7.9	7.3	93.3	86.3
Machinery, except electrical	35	15.0	12.1	11.4	4.5	5.2	7.6	6.2	63.7	84.5
Construction and related machinery	353	4.0	14.8	13.9	5.3	7.8	9.5	6.1	60.6	151.8
Electric and electronic equipment	36	41.3	4.1	4.3	1.5	1.6	2.6	2.7	23.2	29.6
Communication equipment	366	14.2	2.8	2.9	1.2	1.4	1.6	1.5	21.2	29.0
Transportation equipment	37	42.2	15.1	15.4	5.0	5.4	10.1	10.0	81.3	76.1
Motor vehicles and equipment	371	n/a	10.2	10.4	4.3	5.2	5.9	5.2	43.7	61.2
Instruments and related products	38	3.6	7.5	5.6	1.9	2.2	5.6	3.4	27.9	38.1
Service-producing, nonagricultural private sector		1,241.3	5.2	5.6	2.5	2.6	2.7	3.0	38.2	38.1
Transportation and public utilities		127.6	7.1	7.6	4.1	4.1	3.0	3.5	83.4	88.3
Railroad transportation 7/	40	13.6	8.9	11.4	4.2	5.2	4.7	6.2	58.1	76.8
Trucking and warehousing	42	29.2	11.9	13.2	6.9	7.4	5.0	5.8	147.9	179.4
Trucking, local and long-distance	421	n/a	11.9	13.5	6.9	7.7	5.0	5.7	147.9	188.3
Water transportation	44	4.4	14.5	17.6	9.2	11.4	5.3	6.1	381.1	478.2
Communication	48	36.2	2.9	2.2	1.6	.9	1.3	1.3	24.4	10.9
Electric, gas, and sanitary services	49	19.5	4.5	3.8	2.3	1.6	2.2	2.1	44.6	28.3

OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, BY INDUSTRY, VIRGINIA, 1983 AND 1984 (continued)

Industry 2/	SIC code 3/	1984 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1983	1984	1983	1984	1983	1984	1983	1984
Wholesale and retail trade		513.0	6.8	7.0	3.0	3.1	3.9	3.9	42.7	40.1
Wholesale trade		115.9	6.2	6.9	3.1	3.7	3.1	3.2	41.8	49.4
Wholesale trade - durable goods	50	73.0	5.3	5.9	2.4	2.9	2.9	3.0	37.7	39.7
Wholesale trade - nondurable goods	51	42.9	7.6	8.6	4.2	5.1	3.4	3.5	48.5	66.9
Retail trade		397.1	7.0	7.0	2.9	2.9	4.1	4.1	43.1	36.6
Building materials and garden supplies	52	14.5	8.8	8.0	4.0	4.5	4.8	4.4	49.7	45.6
Lumber and other building materials	521	n/a	12.1	12.0	5.5	5.9	6.6	6.1	98.4	65.3
General merchandise stores	53	57.9	7.7	8.3	2.9	3.4	4.8	4.9	31.6	38.2
Food stores	54	62.9	9.0	8.8	3.9	4.2	5.1	5.6	76.8	67.1
Automotive dealers and service stations	55	48.5	6.5	6.8	2.4	2.6	4.1	4.2	35.2	37.9
Apparel and accessory stores	56	21.6	.9	1.4	.5	.5	.4	.9	13.8	4.0
Furniture and home furnishings stores	57	20.0	4.6	5.1	2.7	2.6	1.9	2.5	54.0	45.6
Eating and drinking places	58	120.4	9.0	7.4	3.7	3.1	5.3	4.2	42.1	28.1
Miscellaneous retail	59	51.3	3.6	4.6	1.6	1.8	2.0	2.8	23.3	22.0
Finance, insurance, and real estate		117.2	2.3	2.1	1.1	.8	1.2	1.3	17.9	14.3
Banking	60	34.4	1.6	1.2	.7	.4	.9	.8	9.9	2.5
Credit agencies other than banks	61	15.6	1.2	1.9	.7	.8	.5	1.1	8.3	6.2
Insurance carriers	63	21.3	2.1	2.5	.8	.7	1.3	1.8	69.5	64.6
Insurance agents, brokers, and service	64	8.7	.5	.8	.2	.2	.3	.2	.7	1.2
Real estate	65	29.5	5.1	4.3	2.7	1.9	2.3	2.4	26.9	16.3
Services		483.5	3.9	4.4	1.9	2.1	1.9	2.3	25.6	27.4
Hotels and other lodging places	70	35.9	8.2	8.9	3.5	3.8	4.7	5.1	49.4	39.3
Personal services	72	27.6	2.1	2.5	.9	1.6	1.2	.9	10.4	29.1
Business services	73	118.5	2.5	3.8	1.4	1.6	1.1	2.2	13.1	24.9
Auto repair, services, and garages	75	14.1	4.9	6.7	1.7	3.4	3.2	3.3	37.7	51.9
Miscellaneous repair services	76	6.4	5.6	7.2	2.5	2.9	3.1	4.3	48.6	66.2
Amusement and recreation services	79	14.9	6.4	5.7	1.9	2.3	4.5	3.3	16.1	20.8
Health Services	80	122.2	5.5	5.1	3.2	2.9	2.3	2.2	42.9	34.7
Legal services	81	11.7	.1	.2	*	.1	.1	.1	.1	.3
Educational services	82	23.2	3.0	4.2	1.2	1.4	1.8	2.8	15.1	28.9
Social services	83	24.2	4.3	6.7	2.2	2.7	2.1	4.0	21.8	24.6
Miscellaneous services	89	34.9	1.0	1.0	.3	.4	.7	.6	4.7	8.2
Government 8/		336.8	8.2	8.5	4.1	4.4	4.1	4.1	55.2	54.9
State		118.5	7.8	8.0	3.8	4.0	3.9	4.0	62.9	61.0
Local		218.3	8.4	8.8	4.2	4.6	4.2	4.2	50.8	51.4

1/ In order to maintain the comparability of the 1984 survey data with the data published in previous years, a statistical method was developed for generating the 1984 estimates to represent the small nonfarm employers in low-risk industries who were not surveyed.

2/ Industry totals (divisions, 2 - and 3 digit SIC codes) include data for industries not shown separately.

3/ Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

4/ Annual average employment for nonagricultural industries is based on the employment and earnings survey conducted by the Bureau of Labor Statistics, in cooperation with the State agencies. The employment estimate for the services division is adjusted to exclude the employment for the nonfarm portion of agricultural services. Annual average employment for the agriculture, forestry, and fishing division is a composite of data from the employment and earnings survey and the Annual Survey of Occupational Injuries and Illnesses.

5/ The incidence rates represent the number of injuries and illnesses or lost workdays per 100 full-time workers, and were calculated as: (N/EH) X 200,000, where

N = number of injuries and illnesses or lost workdays
EH = total hours worked by all employees during calendar year
200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

6/ Fatalities are included. Because of rounding, the fatality rate is not reflected by the difference between the total rate and the sum of the rates for lost workday cases and nonfatal cases without lost workdays.

7/ Farms with fewer than 11 employees are excluded.

8/ The Mine Safety and Health Administration, U. S. Department of Labor, provided data for coal and lignite mining (SIC 12) and metal and nonmetal mining (SIC 10 and 14). The Federal Railroad Administration, U. S. Department of Transportation, provided railroad data (SIC 40).

9/ Agencies of the Federal government are excluded. They are covered in a separate reporting system.

NOTE: n/a = data not available.
* = incidence rate less than .05

SOURCE: The Virginia Department of Labor and Industry in cooperation with the U. S. Department of Labor, Bureau of Labor Statistics.

THE MARKET BASKET
FOR THE
RICHMOND METROPOLITAN AREA
NORTHERN VIRGINIA METROPOLITAN AREA
NORFOLK-VIRGINIA BEACH-PORTSMOUTH METROPOLITAN AREA

The Virginia Department of Labor and Industry's Market Basket has been designed to measure the price change in the retail cost of a fixed quantity of foods. The cost of the Market Basket is derived by multiplying the average retail price of each item by the quantity and totaling the entire group. This permits a comparison of prices on a month-to-month basis. The Market Basket combines 40 of the 71 items priced during the same period of time each month at selected stores throughout the metropolitan areas surveyed. The Market Basket represents neither the cost of food for a family of one particular size or income group, nor every change in food prices, but only an increase or decrease in the total cost of items in the Market Basket.

Revisions in the 1982 product composition and the 1983 store classification for the Market Basket rendered direct comparisons to previous years' data unuseable as all three areas were adjusted in 1982 and the Richmond and Norfolk areas were revised in 1983. The quantity consumed and the 40 commodities included in this study are listed in the table below. For a number of food items, the quantity consumed in the Market Basket is listed as a fraction or a multiple of the unit that is priced.

1 lb.	Round Steak	1 bunch	Carrots	10 qts.	Milk
1 lb.	Bacon	1 stalk	Celery	1 pt.	Ice Cream
1 lb.	Hamburger	1 can	Tuna	2 doz.	Eggs
1 lb.	Frankfurters	1 can	Corn	½ lb.	American Processed Cheese
2 lbs.	Pork Chops	1 can	Peas		
2 lbs.	Chicken	1 can	Tomatoes	2 cans	Evapor. Milk
1 lb.	Frozen Fish	1 can	Peaches	1 lb.	Margarine
1 doz.	Oranges	1 can	Soup	1 lb.	Shortening
1 lb.	Apples	1 pkg.	Fro. Green Beans	1 lb.	Coffee
2 lbs.	Bananas	5 cans	Fro. Orange Juice	5 lbs.	Sugar
10 lbs.	Potatoes	4 lbs.	Flour	1 jar	Peanut Butter
2 lbs.	Cabbage	2 bxs.	Prepared Cereal	1 10 oz.	Jar Jelly
1 head	Lettuce	1 bx.	Soda Crackers	1 ctn.	Soft Drinks
1 lb.	Onions	6 loaves	Bread		

The Market Basket averages showed a decline of 2.0% in both the Richmond area and the Norfolk-Virginia Beach-Portsmouth Metropolitan area. The average cost of the 40 items included in the Market Basket for the Richmond area in 1985 amounted to $63.18 as compared to the 1984 average of $64.47. The Norfolk area average in 1985 was $62.08, a decrease from the 1984 average of $63.38. The peak month in both areas was February with Richmond showing $64.88 and Norfolk $63.57. November was the low month with Richmond registering $60.96 and Norfolk dropping to a low of $60.06.

The Market Basket in the Northern Virginia area, based on an 11 month period, averaged $68.62. January 1985 prices were not available. The high of $70.48 was recorded in September, and the low of $67.28 was registered in June.

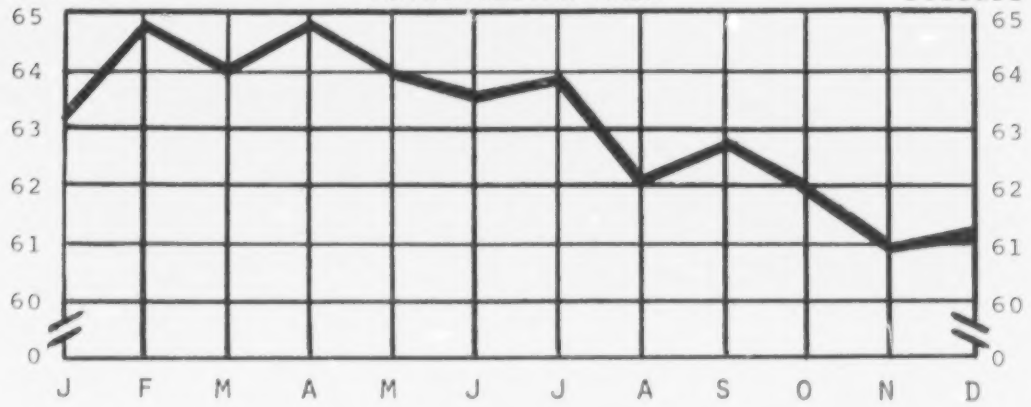
COMMODITY AND UNIT		RICHMOND			NORFOLK - VIRGINIA BEACH - PORTSMOUTH			NORTHERN VIRGINIA		
		Jan. 1985	Dec. 1985	Change (Cents)	Jan. 1985	Dec. 1985	Change (Cents)	Jan. 1985	Dec. 1985	Change (Cents)
CEREAL AND BAKERY PRODUCTS										
Flour	5 lb.	112.8	100.2	-12.6	97.0	91.1	- 5.9	1/	128.5	1/
Cracker Meal	9 1/2 oz.	124.6	133.7	9.1	121.6	136.2	14.6		136.8	
Corn Flakes	12 oz.	104.9	111.1	6.2	91.9	98.9	7.0		122.6	
Rolled Oats	18 oz.	116.3	107.6	- 8.7	100.3	101.4	1.1		112.9	
Rice	lb.	51.4	51.4	0	54.1	51.	- 2.6		73.4	
Bread, white	16 - 18 oz.	79.1	88.4	9.3	78.6	88.6	10.0		90.5	
Vanilla Cookies	12 oz.	161.1	150.9	-10.2	144.1	147.2	3.1		138.7	
Crackers, soda	lb.	126.3	112.8	-13.5	121.8	120.4	- 1.4		135.1	
MEATS, POULTRY AND FISH										
Beef and Veal:										
Round Steak, U.S. Choice	lb.	304.4	319.2	14.8	316.7	310.9	- 5.8		310.0	
Rib Roast, U.S. Choice sm. end	lb.	395.8	363.1	-32.7	389.0	386.7	- 2.3		381.3	
Chuck Roast, U.S. Choice	lb.	130.6	140.8	10.2	143.5	167.5	24.0		155.2	
Hamburger	lb.	146.7	133.7	-13.0	132.4	144.8	12.4		162.3	
Veal Cutlets, U.S. Choice	lb.	761.5	701.9	-59.6	676.8	712.5	35.7		N.A	
Pork:										
Chops Center Cut	lb.	259.4	256.1	- 3.3	249.7	251.4	1.7		308.6	
Bacon, sliced	lb.	187.6	185.5	- 2.1	196.7	193.4	- 3.3		196.7	
Ham, whole	lb.	140.6	130.8	- 9.8	148.4	154.7	6.3		180.0	
Sausage	lb.	162.2	147.4	-14.8	160.2	157.5	- 2.7		127.4	
Other Meats:										
Canned Ham	lb.	241.3	243.5	2.2	260.7	244.1	-16.6		267.6	
Bologna Sausage	½ lb.	115.6	111.4	- 4.2	108.3	106.4	- 1.9		136.2	
Frankfurters	lb.	145.1	156.2	11.1	177.1	160.5	-16.6		218.5	
Fryers, dressed & drawn	lb.	77.6	75.0	- 2.6	72.9	79.2	6.3		67.7	
Fish:										
Ocean Perch Fillet, frozen	lb.	211.1	209.0	- 2.1	214.2	215.1	.9		219.7	
Haddock Fillet, frozen	lb.	263.6	270.5	6.9	267.8	280.1	12.3		284.2	
Tuna	6 ½ oz. can	89.5	80.3	- 9.2	79.0	74.1	- 4.9		84.8	
Salmon	lb. can	235.6	220.8	-14.8	213.9	214.3	.4		246.2	
Sardines	3 3/4 oz.	94.9	97.9	3.0	93.4	97.8	4.4		97.8	
DAIRY PRODUCTS										
Butter	lb.	224.4	222.9	- 1.5	226.9	220.1	- 6.8		242.2	
Cheese, American process	½ lb.	127.5	127.2	.3	130.8	131.4	.6		137.8	
Milk, fresh (grocery)	½ gal.	122.6	121.1	- 1.5	127.2	125.0	- 2.2		106.2	
Ice Cream	½ gal.	280.0	267.2	-12.8	286.0	277.2	- 8.8		248.2	
Milk, evaporated	14 ½ oz. can	53.6	52.4	- 1.2	51.7	51.5	- .2		66.6	
EGGS, fresh grade A large	doz.	79.4	90.9	11.5	76.0	90.2	14.2		100.2	
FRUITS AND VEGETABLES										
Frozen:										
Orange Juice, concentrate	6 oz.	79.2	79.4	.2	76.4	73.8	- 2.6		89.2	
Lemonade, concentrate	6 oz.	38.3	36.4	- 1.9	41.9	36.0	- 5.9		42.0	
Peas	10 oz.	58.0	56.1	- 1.9	58.2	55.9	- 2.3		75.3	
Beans, green	9 oz.	51.6	49.5	- 2.1	54.8	52.4	- 2.4		61.4	
Broccoli	10 oz.	69.2	63.4	- 5.8	65.1	66.0	.7		70.5	
Potatoes, French fried	9 oz.	45.1	45.0	- .1	45.4	44.7	- .7		52.4	
Fresh:										
Apples, winesap	lb.	61.4	62.2	.8	60.1	60.0	- .1		73.6	
Bananas	lb.	38.2	34.2	- 4.0	33.6	33.9	.3		48.7	
Oranges - size 200	doz.	218.3	194.9	-23.4	231.6	204.7	-26.9		206.7	
Beans, green	1 .	76.5	97.1	20.6	75.4	97.8	22.4		103.8	
Cabbage	lb.	27.5	24.6	- 2.9	23.0	24.6	1.6		26.6	
Carrots	1 lb. cello bag	43.2	42.2	- 1.0	41.5	47.0	5.5		46.0	
Celery	stalk	65.3	72.2	6.9	57.1	80.4	23.3		69.1	
Lettuce - size 48	head	88.4	81.4	- 7.0	71.2	88.2	17.0		83.2	
Onions	lb.	27.9	21.5	- 6.4	25.3	23.4	- 1.9		30.7	
Potatoes	10 lb.	183.8	109.8	-74.0	160.8	122.4	-38.4		119.7	
Sweet Potatoes	lb.	47.8	24.9	-22.9	45.3	27.2	-18.1		28.9	
Tomatoes	lb.	64.8	96.9	32.1	60.9	96.8	35.9		101.3	
Canned:										
Peaches	No. 2 ½ can	122.3	120.6	- 1.7	114.7	112.9	- 1.8		132.5	
Fruit Cocktail	No. 303 can	91.0	92.3	1.3	90.3	88.7	- 1.6		88.6	
Corn	No. 303 can	60.9	50.9	-10.0	56.3	49.4	- 6.9		67.4	
Tomatoes	No. 303 can	43.7	40.2	- 3.5	41.2	37.4	- 3.8		54.0	
Peas, fancy	No. 303 can	60.8	51.8	- 9.0	54.3	48.9	- 5.4		66.1	
Beets, sliced	No. 303 can	46.5	45.7	- .8	50.0	47.7	- 2.3		49.1	
Bean Soup	11 ½ oz. can	45.1	47.4	2.3	41.5	42.7	1.2		49.6	
Tomato Soup	10 3/4 oz. can	31.3	29.2	- 2.1	29.1	28.5	- .6		37.3	
Baby Foods, strained	4 3/4 oz.	26.0	23.0	- 3.0	23.7	23.0	- .7		31.7	
Dried:										
Navy Beans	lb.	58.0	48.5	- 9.5	56.4	52.7	- 3.7		50.1	
BEVERAGES										
Coffee	lb.	273.3	244.2	-29.1	250.4	241.7	- 8.7		301.7	
Coffee, instant	8 oz.	*354.5	389.1	N/A	*339.6	374.9	N/A		455.7	
Tea	48 bags	176.1	179.9	3.8	170.0	176.3	6.3		217.6	
Cola Drink (6 N/R Bottles)	16 oz.	228.5	256.9	28.4	239.5	257.4	17.9		216.5	
FATS AND OILS										
Salad and Cooking Oil	pt.	123.5	113.5	-10.0	113.6	106.2	- 7.4		146.9	
Shortening	3 lb.	279.1	269.2	- 9.9	274.4	260.7	-13.7		295.9	
Salad Dressing	pt.	133.2	128.8	- 4.4	124.3	119.7	- 4.6		158.0	
Peanut Butter	16 oz.	149.9	177.3	27.4	155.3	164.6	9.3		207.9	
Margarine	lb.	80.6	73.6	- 7.0	77.5	71.2	- 6.3		88.6	
SUGAR AND SWEETS										
Sugar, granulated	5 lb.	192.2	179.0	-13.2	166.9	165.9	- 1.0		204.9	
Grape Jelly	10 oz.	85.3	83.9	- 1.4	81.7	80.5	- 1.2		94.1	

*Unit price was 6 oz.

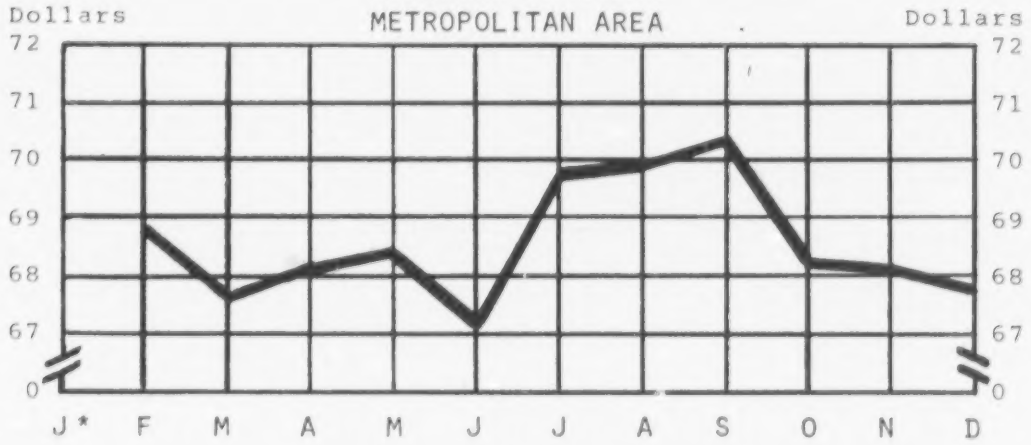
1/ Information was not available.

MARKET BASKET COST -- 1985

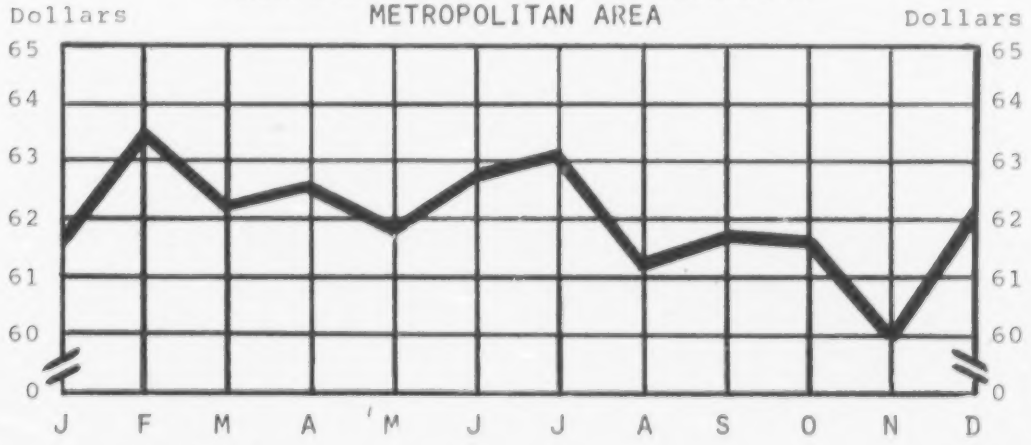
RICHMOND METROPOLITAN AREA



NORTHERN VIRGINIA METROPOLITAN AREA



NORFOLK-VIRGINIA BEACH-PORTSMOUTH METROPOLITAN AREA



* NOT AVAILABLE

ANNUAL SURVEY OF VIRGINIA MANUFACTURES
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	421.2	$8,316,095	319.0	$5,404,346	$24,505,591	$,731,741	$1,973,564
Durable Goods	196.3	4,020,343	146.6	2,550,370	10,116,770	693,896	854,684
Lumber and Wood Products	22.9	316,480	19.7	234,663	722,361	52,927	67,534
Logging Camps and Logging Contractors --Sawmills and Planing Mills	10.2	127,417	9.1	102,050	319,526	23,651	46,609
Millwork, Plywood and Structural Members	6.4	100,323	5.2	70,223	199,923	19,444	10,056
Wood Containers	1.7	16,934	1.5	13,104	30,567	2,896	2,880
Wood Buildings and Mobile Homes	2.4	36,308	1.8	20,709	91,357	1,623	1,525
Miscellaneous Wood Products	2.4	35,498	2.1	28,576	80,988	5,314	6,455
Furniture and Fixtures	24.0	306,656	20.4	213,213	627,448	27,998	34,851
Household Furniture and Office Furniture	22.9	289,650	19.6	203,094	580,976	26,639	34,194
Stone, Clay, and Glass Products	13.5	217,695	11.0	153,489	548,481	43,588	46,484
Concrete, Gypsum, and Plaster Products	5.1	104,557	4.9	75,341	255,484	28,006	23,742
Primary Metal Industries	10.8	277,423	6.1	151,895	467,327	18,341	22,997
Fabricated Metal Products	18.7	379,013	13.8	246,573	673,716	33,601	49,314
Cutlery, Hand Tools, and Hardware	1.6	24,420	1.2	15,257	37,488	2,694	1,407
Fabricated Structural Metal Products	11.5	235,459	7.9	138,618	335,640	22,017	9,740
Machinery, except Electrical	15.3	319,497	10.7	176,389	690,665	39,926	36,510
Construction and Related Machinery	4.2	88,567	2.7	45,690	236,924	9,549	9,926
Special Industry Machinery	1.6	38,386	.8	16,357	74,997	4,683	6,049
Office and Computing Machines	1.4	31,389	1.0	12,984	32,762	2,840	3,117
Refrigeration and Service Machinery	2.3	41,431	1.7	22,766	101,422	4,061	3,343
Miscellaneous Machinery, except Electrical	3.2	66,260	2.7	47,376	106,843	12,740	5,340
Electric and Electronic Equipment	41.9	1,081,102	23.7	480,560	2,855,406	302,158	287,715
Electrical Industrial Apparatus	10.0	281,321	6.3	203,880	527,756	45,797	21,873
Communication Equipment	14.7	349,058	8.6	138,540	722,324	58,069	50,936
Electronic Components and Accessories	8.6	266,571	2.6	41,670	785,316	158,676	179,129
Transportation Equipment	42.2	1,007,714	36.2	816,977	3,301,639	167,676	311,290
Instruments and Related Products	3.7	62,855	2.4	29,664	114,792	5,443	5,480
Miscellaneous Manufacturing Industries	3.3	51,908	2.6	36,947	114,935	2,837	2,508
Nondurable Goods	224.9	4,295,752	172.4	2,853,977	14,478,821	1,037,845	1,118,880
Food and Kindred Products	38.8	644,142	28.1	389,977	2,702,079	127,253	100,327
Meat Products	12.7	154,583	10.7	125,274	815,567	53,682	37,024
Dairy Products	2.4	48,219	1.3	20,960	145,928	10,763	5,466
Preserved Fruits and Vegetables	3.4	55,559	3.0	44,483	155,208	9,063	7,482
Grain Mill Products	1.2	18,207	.8	9,668	50,040	4,338	3,320
Bakery Products	4.9	98,850	2.6	47,386	215,717	6,922	10,474
Beverages	5.4	156,424	2.2	60,792	704,388	26,328	16,842
Miscellaneous Foods and Kindred Products	6.6	73,495	5.6	57,974	471,279	11,009	11,493
Tobacco Manufactures	15.9	490,850	10.9	296,111	3,090,949	75,170	81,709
Tobacco Stemming and Redrying	1.7	34,775	1.3	19,662	99,857	4,872	4,990
Textile Mill Products	43.6	619,685	39.6	520,142	1,316,901	125,848	58,841
Broad Woven Fabric Mills	16.6	258,676	14.7	213,157	528,327	52,161	23,062
Knitting Mills	17.7	223,348	16.5	194,188	406,374	43,750	27,036
Textile Finishing, except Wool	3.2	44,775	2.9	38,308	128,424	14,491	15
Yarn and Thread Mills	2.4	30,884	2.3	27,336	46,841	6,749	1,309
Miscellaneous Textile Goods	1.4	23,356	1.2	16,828	76,993	3,838	885
Apparel and Other Textile Products	32.3	329,110	29.4	276,038	737,918	8,865	11,418
Men's and Boys' Clothing	10.4	107,039	9.4	94,340	225,618	2,438	1,204
Women's and Misses' Outerwear	11.0	111,681	9.9	91,415	333,811	1,355	832
Women's and Childre.'s Undergarments	2.2	16,994	2.0	14,762	17,756	-	-
Children's Outerwear	4.6	45,045	4.4	41,299	64,182	406	1,775
Miscellaneous Fabricated Textile Products	2.2	27,658	1.8	17,981	67,791	4,178	7,978
Paper and Allied Products	15.6	396,892	11.6	267,915	1,283,680	175,729	400,970
Paper and Paperboard, except Building Paper	8.1	247,372	5.3	156,960	963,220	153,836	379,268
Miscellaneous Converted Paper Products	3.2	56,710	2.8	44,860	160,689	7,729	5,281
Paperboard Containers and Boxes--Building Paper and Board Mills	4.3	92,810	3.6	66,095	159,771	14,163	16,421
Printing and Publishing	27.9	552,309	16.1	294,094	1,443,014	99,482	97,512
Newspapers and Periodicals	11.1	206,448	3.7	51,471	511,981	34,076	32,207
Commercial Printing	11.0	229,371	8.6	170,586	494,034	53,623	43,685
Chemicals and Allied Products	32.6	870,927	22.3	532,126	2,700,915	203,560	217,596
Industrial Inorganic Chemicals	1.2	25,522	.4	8,847	101,075	24,205	7,552
Plastics, Materials and Synthetics	18.9	531,082	14.1	349,682	1,428,373	102,091	147,389
Drugs	3.2	91,160	1.7	36,962	526,641	54,036	38,068
Agricultural Chemicals	.8	12,606	.6	6,779	37,979	3,368	2,496
Miscellaneous Chemical Products	5.1	142,098	3.1	87,179	224,204	13,333	9,799
Petroleum and Coal Products--Rubber and Miscellaneous Plastics Products	14.9	361,553	11.5	253,179	1,127,248	222,037	150,389
Miscellaneous Plastics Products	8.7	188,805	6.7	130,888	744,424	152,057	93,776
Leather and Leather Products	3.3	30,283	2.9	24,393	76,116	160	49

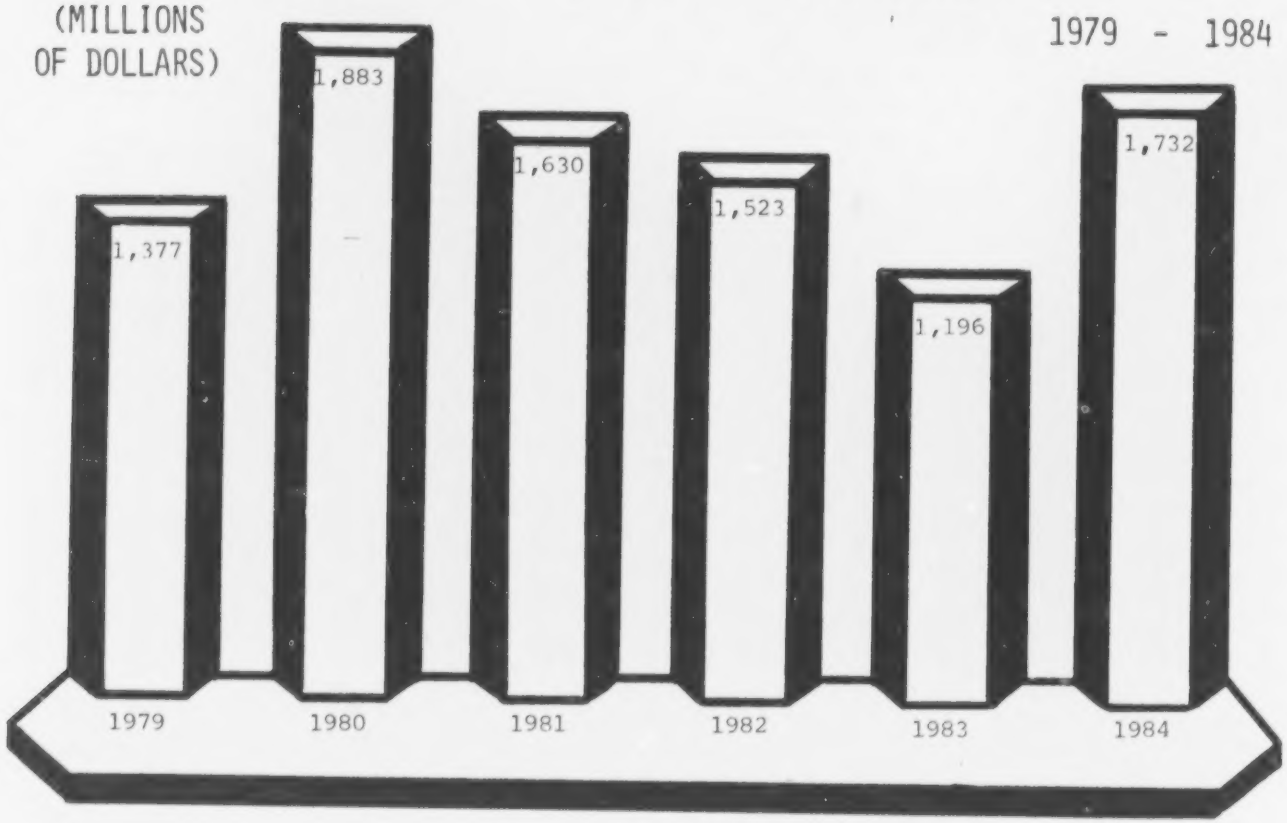
1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

NOTE: Detail may not add to totals due to rounding.

VIRGINIA CAPITAL EXPENDITURES



ANNUAL SURVEY OF MANUFACTURES
BRISTOL METROPOLITAN STATISTICAL AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	9.6	$163,389	7.2	$111,132	$535,431	$21,780	$28,765
Durable Goods	4.9	104,039	4.0	76,978	340,425	10,641	20,579
Lumber and Wood Products--Furniture and Fixtures	.2	1,559	.2	1,330	2,971	89	35
Primary Metal Industries--Fabricated Metal Products	2.0	49,042	1.6	38,012	109,474	1,745	6,872
Machinery, Except Electrical	1.6	31,909	1.3	22,061	52,776	5,078	3,745
Other Durable Goods 4/	1.2	21,529	.9	15,575	175,204	3,729	9,927
Nondurable Goods	4.6	59,350	3.2	34,154	195,006	11,139	8,186
Food and Kindred Products	1.5	24,299	.7	8,996	75,981	5,492	2,614
Apparel and Other Textile Products	2.0	17,119	1.6	13,368	47,838	520	210
Paper and Allied Products--Printing and Publishing	.5	5,926	.4	3,686	36,687	1,694	644
Other Nondurable Goods 5/	.6	12,006	.5	8,104	34,500	3,433	4,718

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes stone, clay, and glass products; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill products; chemicals and allied products; petroleum and coal products; and rubber and miscellaneous plastics products.

The Bristol Metropolitan Statistical Area is comprised of the city of Bristol and the counties of Scott and Washington.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
CHARLOTTESVILLE METROPOLITAN STATISTICAL AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	10.2	$196,177	6.6	$104,534	$411,602	$41,282	$29,766
Durable Goods	6.5	133,736	3.9	61,037	265,939	30,526	21,330
Lumber and Wood Products	.4	4,338	.3	3,727	8,790	555	146
Electric and Electronic Equipment	5.0	109,414	2.8	45,933	210,481	27,589	18,265
Other Durable Goods 4/	1.2	19,984	.8	11,377	46,668	2,382	2,919
Nondurable Goods	3.6	62,441	2.7	43,497	145,663	10,756	8,436
Printing and Publishing	.7	15,649	.3	7,857	37,670	4,311	1,715
Other Nondurable Goods 5/	2.9	46,792	2.4	35,640	107,993	6,445	6,721

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes furniture and fixtures; stone, clay, and glass products; primary metal industries; fabricated metal products; machinery, except electrical; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Charlottesville Metropolitan Statistical Area is comprised of the city of Charlottesville and the counties of Albemarle, Fluvanna, and Greene.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
DANVILLE METROPOLITAN STATISTICAL AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	18.2	$308,623	15.1	$226,570	$628,044	$74,823	$46,824
Durable Goods	3.0	53,399	2.4	33,411	141,022	7,777	3,814
Lumber and Wood Products	1.0	15,004	.8	9,332	35,786	480	187
Fabricated Metal Products and Machinery, except Electrical	.6	9,720	.4	5,610	15,451	1,276	527
Other Durable Goods 4/	1.4	28,675	1.1	18,469	89,785	6,022	3,100
Nondurable Goods	15.2	255,224	12.7	193,159	487,022	67,046	43,010
Textile Mill Products, Apparel and Other Textile Products, and Leather and Leather Products	11.2	156,021	9.9	127,974	296,223	27,660	19,515
Other Nondurable Goods 5/	3.9	99,203	2.7	65,185	190,799	39,386	23,495

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes food and kindred products; tobacco manufactures; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; and rubber and miscellaneous plastics products.

The Danville Metropolitan Statistical Area is comprised of the city of Danville and the county of Pittsylvania.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
LYNCHBURG METROPOLITAN STATISTICAL AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	26.1	$535,092	17.8	$320,890	$1,099,946	$80,170	$50,586
Durable Goods	16.6	382,784	10.5	220,275	644,395	43,802	37,558
Lumber and Wood Products--Furniture and Fixtures	3.1	38,506	2.6	26,762	82,676	2,438	2,488
Other Durable Goods 4/	13.5	344,278	7.9	193,513	561,719	41,364	35,070
Nondurable Goods	9.4	152,308	7.3	100,615	455,551	36,368	13,028
Food and Kindred Products	1.4	27,377	.7	11,197	118,045	6,886	5,629
Textile Mill Products	1.9	33,478	1.7	27,236	89,584	21,099	-
Apparel and Other Textile Products	1.6	13,849	1.4	10,736	18,349	13	-
Paper and Allied Products	1.0	29,265	.8	21,353	67,076	4,015	4,218
Other Nondurable Goods 5/	3.5	48,339	2.7	30,093	162,497	4,355	3,181

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes stone, clay, and glass products; primary metal industries; fabricated metal products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Lynchburg Metropolitan Statistical Area is comprised of the city of Lynchburg and the counties of Amherst and Campbell.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
NORFOLK-VIRGINIA BEACH-NEWPORT NEWS METROPOLITAN STATISTICAL AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	67.3	$1,732,173	53.9	$1,280,984	$5,628,027	$329,448	$529,501
Durable Goods	49.2	1,321,478	41.8	1,049,073	3,836,275	225,202	463,639
Lumber and Wood Products	1.6	21,648	1.5	17,297	67,108	3,762	1,484
Stone, Clay, and Glass Products	2.5	49,798	1.9	38,257	146,826	14,055	13,934
Fabricated Metal Products	1.5	31,543	1.2	23,431	78,568	2,277	27,519
Machinery, except Electrical	2.2	50,037	1.8	33,693	108,890	6,156	3,981
Electric and Electronic Equipment	3.0	76,956	2.2	41,583	272,831	20,189	3,476
Other Durable Goods 4/	38.4	1,091,496	33.2	894,812	3,162,052	178,763	413,245
Nondurable Goods	18.1	410,695	12.1	231,911	1,791,752	104,246	65,862
Food and Kindred Products	7.6	206,320	5.5	125,759	1,190,280	52,168	12,724
Apparel and Other Textile Products	1.3	12,915	1.0	7,287	29,900	500	1,199
Printing and Publishing	3.9	71,302	2.0	33,381	200,194	6,021	6,185
Chemicals and Allied Products	2.0	41,666	.9	14,540	94,567	7,251	7,340
Other Nondurable Goods	3.3	78,492	2.8	50,944	276,811	38,306	38,414

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes furniture and fixtures; primary metal industries; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill products; paper and allied products; petroleum and coal products; and rubber and miscellaneous plastics products.

The Norfolk-Virginia Beach-Newport News Metropolitan Statistical Area is comprised of the cities of Chesapeake, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg and the counties of Gloucester, James City, and York.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
NORTHERN VIRGINIA AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	28.6	$762,655	12.4	$238,668	$1,889,380	$188,249	$181,128
Durable Goods	17.5	461,435	7.2	121,762	1,166,006	156,381	157,653
Fabricated Metal Products	1.2	24,888	.9	14,941	32,954	1,279	1,418
Machinery, except Electrical	1.7	36,843	1.3	19,133	77,905	4,370	3,505
Electric and Electronic Equipment	11.0	332,616	2.9	53,242	901,907	141,950	145,686
Other Durable Goods 4/	3.6	67,088	2.2	34,446	153,240	8,782	7,044
Nondurable Goods	11.1	301,220	5.3	116,906	723,374	31,868	23,475
Food and Kindred Products	1.2	29,523	.7	12,208	40,195	1,025	1,212
Printing and Publishing	7.9	227,658	3.7	90,134	546,670	17,862	8,841
Other Nondurable Goods 5/	2.0	44,039	.8	14,564	136,509	12,981	13,422

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; chemicals and allied products; petroleum and coal products; and rubber and miscellaneous plastics products.

The Northern Virginia Area is comprised of the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park and the counties of Arlington, Fairfax, Loudoun, Prince William, and Stafford.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
RICHMOND-PETERSBURG METROPOLITAN STATISTICAL AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	63.8	$1,607,062	44.9	$1,019,578	$6,257,204	$363,585	$329,401
Durable Goods	18.1	392,144	11.0	206,030	859,947	35,010	21,888
Lumber and Wood Products	1.8	26,033	1.5	17,499	120,882	6,154	1,569
Furniture and Fixtures	1.1	22,011	.9	17,568	49,490	1,649	1,123
Stone, Clay, and Glass Products	1.5	25,479	1.0	15,282	53,751	4,237	2,047
Fabricated Metal Products	1.9	35,848	1.5	25,798	71,889	2,979	1,030
Machinery, Except Electrical	2.4	57,158	1.4	26,390	109,047	8,264	6,258
Other Durable Goods 4/	9.5	225,615	4.7	103,493	454,888	11,727	9,861
Nondurable Goods	45.6	1,214,918	33.9	813,548	5,397,257	328,575	307,513
Food and Kindred Products	4.3	83,542	2.8	44,366	241,990	9,539	14,873
Tobacco Manufactures	14.6	466,015	12.3	353,223	3,024,288	72,010	79,316
Apparel and Other Textile Products	2.3	25,863	1.9	19,702	50,782	718	806
Paper and Allied Products	4.9	122,409	3.6	83,347	307,188	25,617	24,385
Printing and Publishing	6.1	128,430	4.1	82,507	282,616	25,349	28,232
Chemicals and Allied Products	10.8	324,423	7.0	180,955	1,193,323	77,173	113,865
Other Nondurable Goods 5/	2.7	64,236	2.2	49,448	297,070	118,169	46,036

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes rubber and miscellaneous plastics products and leather and leather products.

The Richmond Metropolitan Statistical Area is comprised of the cities of Colonial Heights, Hopewell, Petersburg, and Richmond and the counties of Charles City, Chesterfield, Dinwiddie, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
ROANOKE METROPOLITAN STATISTICAL AREA
1984
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	20.6	$388,803	14.8	$262,355	$848,900	$71,564	$77,412
Durable Goods	11.6	240,708	8.1	167,902	424,405	34,534	43,516
Primary Metal Industries--							
Fabricated Metal Products	2.5	53,705	1.9	35,852	71,918	3,549	4,409
Machinery, Except Electrical	1.7	37,670	1.2	21,975	53,087	5,969	4,065
Other Durable Goods 4/	7.4	149,333	5.0	110,075	299,400	25,016	35,042
Nondurable Goods	9.0	148,095	6.7	94,453	424,495	37,030	33,896
Food and Kindred Products	1.9	33,257	1.0	17,263	86,633	8,791	15,998
Apparel and Other Textile Products	1.7	17,170	1.5	12,910	29,322	352	-
Printing and Publishing	1.0	19,008	.4	7,025	35,261	6,391	1,0739
Other Nondurable Goods 5/	4.4	78,660	3.7	57,255	273,279	21,496	7,159

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes textile mill products; paper and allied products; chemicals and allied products; and rubber and miscellaneous plastics products

The Roanoke Metropolitan Statistical Area is comprised of the cities of Roanoke and Salem and the counties of Roanoke and Botetourt.

NOTE: Detail may not add to totals due to rounding.

EXPLANATION OF TERMS

The survey of manufactures, which is conducted annually for Virginia and its metropolitan areas, is designed to present such important economic indicators as employment, salaries, wages, value added by manufactures, and capital expenditures. Because much of these data are unavailable until well after the end of the calendar year and must then be collected and edited by the Department before tabulation and publication, this study cannot be used as an accurate year-end review. The additional time, however, permits the construction of a more accurate representation of the economy during the survey year than would otherwise be possible. In order to provide statistics by industry group, in addition to the State and MSA totals, each manufacturing firm has been assigned an industry code based on the Standard Industrial Classification Manual. Publication of statistics for industry groups in which the employment is dominated by a single firm might indirectly reveal confidential data for that firm; these industry groups have been combined with other industry groups before publication.

Totals for industry groups with less than 100 percent response are estimated on the basis of an employment factor. Since responding companies accounted for 53.2 percent of Virginia's estimated total manufacturing employment in 1984, published figures should closely approximate data that would result from a complete canvass. Statistical data have been obtained from 1,590 manufacturing plants including most of the large plants and a representative sample of the many smaller plants.

"Value Added by Manufactures" approximates the value created in the manufacturing process and is obtained by subtracting from the net selling value of products manufactured the cost of contract work and cost of materials, which includes components, supplies, containers for products, fuel and electrical energy consumed during the year.

The term "All Employees" includes all classes of employees (administrative, supervisory, clerical, professional, technical, sales, delivery, installation, construction and service personnel, as well as operating and related workers) employed full or part-time by the establishment. "Wages and Salaries" are defined as gross earnings of employees, including commissions, dismissal pay, nonproduction bonuses, vacation and sick leave pay, and compensation of any kind, prior to such deductions as employees' social security contributions, withholding taxes, union dues, group insurance and savings bonds.

"Production Workers" is restricted to include working foremen and all nonsupervisory workers engaged in production work or other services closely allied to production operations.

"Capital Expenditures" includes expenditures for construction, new machinery and new equipment (includes major alterations and capitalized repairs but excludes expenditures for land). Also included are expenditures chargeable to fixed assets accounts for which depreciation accounts are maintained and excludes used plant and equipment acquired from others. This information is available for the past calendar year. Anticipated capital expenditures for the current year are also published.

VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY

PUBLICATIONS AVAILABLE

Division Name, Address	Publication (some years may be out of print)	Distribution	Cost
ADMINISTRATION P.O. Box 12064 Richmond, VA 23241	Labor Laws of Virginia	*	Free
DIVISION OF APPRENTICESHIP TRAINING P.O. Box 12064 Richmond, VA 23241	Can I Be an Apprentice?	*	Free
DIVISION OF BOILER AND PRESSURE VESSEL SAFETY P.O. Box 12064 Richmond, VA 23241	Boiler and Pressure Vessel Rules and Regulations	*	Free
	Rules and Regulations Governing Manufacture, Storage, Handling, Use and Sale of Explosives	*	Free
OCCUPATIONAL SAFETY DIVISION P. O. Box 12064 Richmond, Virginia 23241	Final Orders of Virginia General District and Circuit Courts Contested Cases, Volume VI	*	Free
	Final Orders of Virginia General District and Circuit Courts Contested Cases, Volume 1 Through Volume V	*	$15.95 (plus postage)
	Virginia Occupational Safety and Health Administrative Regulations Manual	*	Free
		*	Free
	Virginia Occupational Safety and Health Standards for Agriculture	*	Free
	Virginia Occupational Safety and Health Standards for the Construction Industry	*	Free
	Virgihia Occupational Safety and Health Standards for General Industry	*	Free
DIVISION OF PLANNING, RESEARCH, AND EVALUATION P.O. Box 12064 Richmond, VA 23241	Annual Reports, Dept. of Labor and Industry	Annually	Free
	Norfolk-Portsmouth -- Virginia Beach Metropolitan Area Retail Food Prices and Market Basket	Monthly	Free
	Northern Virginia Area Retail Food Prices and Market Basket	Monthly	Free
		Monthly	Free
	Richmond Metropolitan Area Food Prices and Market Basket	Monthly	Free
	Work Injury Report (WIR) Surveys	*	Free
	Occupational Injuries and Illnesses by Industry	*	Free
DIVISION OF STATE LABOR LAW ADMINISTRATION P.O. Box 12064 Richmond, VA 23241	Excerpts of Virginia Labor Laws	*	Free
	Employment of Illegal Aliens Excerpt	*	Free
	Payment of Wages and Establishment of Regular Pay Periods	*	Free
	Regulations Establishing Multiple of Federal Minimum Hourly Wage Relating to Garnishee	*	Free
	The Right-to-Work Law of Virginia Excerpt	*	Free
	Virginia Minimum Wage Law, Excerpt	*	Free
	Rules and Regulations Declaring Hazardous Employment	*	Free

Division Name, Address	Publication (some years may be out of print)	Distribution	Cost
OSHA VOLUNTARY COMPLIANCE AND TRAINING DIVISION P.O. Box 12064 Richmond, VA 23241	A Message from the Governor	*	Free
	Emergency Procedures Check List	*	Free
	Safety Film Catalog	*	Free
	VOSH Construction Check List	*	Free
	The Hazard Communication Standard	**	Free

* Supply and Demand
** Limited to one per request

ORDER REQUEST

OSHA RECORDKEEPING MATERIALS (Free)

	No. of Copies
___ Supplementary Record of Occupational Injuries & Illness, OSHA No. 101	____
___ Log & Summary of Occupational Injuries & Illness, OSHA No. 200	____
___ Poster: Safety and Health Protection on the Job	____
___ Brief Guide to Recordkeeping Requirements	____

CONSULTATION PROGRAM -- OSHA Voluntary Compliance and Training Division (Free Service)

___ Please contact me concerning an on-site safety and health consultation.
My phone number is (Area Code) _____

SEND THE FOLLOWING PUBLICATIONS:

_____ _____

_____ _____

_____ _____

Address (Please Print):

_____

_____

_____

Virginia Department of Labor and Industry

P. O. Box 12064, Richmond, VA 23241